

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.









UNITED STATES  
DEPARTMENT OF AGRICULTURE  
LIBRARY



1.9  
BOOK NUMBER L61La  
v.14  
1939  
320942









1.9  
6611a  
Cop. 4



# AGRICULTURAL LIBRARY NOTES

VOLUME 14

JANUARY - DECEMBER

1939

Edited by Claribel R. Barnett,  
Librarian, United States Department of Agriculture

32

ISSUED MONTHLY  
BY THE

582977  
Agri. 6-37

UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WITH THE COOPERATION OF THE LAND GRANT COLLEGE  
AND STATE AGRICULTURAL EXPERIMENT STATION LIBRARIES  
WASHINGTON  
D.C.

USDA  
LIB





## CONTENTS

<u>Number 1</u>	<u>January</u>	<u>Page</u>
Principal Library Accessions .....		1
Bibliographies and Lists .....		17
Publications by U. S. Department of Agriculture Workers appearing outside the Department .....		19
Translations received in the Library.....		26
Articles by State Agricultural Experiment Station Workers.....		27
Oberly Memorial Prize .....		36
Notes on Periodicals.....		37
List of State Extension Publications.....		39
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....		43
Lost Books.....		46
International Committee of Agricultural Librarians - Communication VII. By Dr. Sigmund von Frauendorfer.....		47
Report on Agricultural Research in Great Britian.....		52
 <u>Number 2</u>	 <u>February</u>	
Principal Library Accessions.....		53
Bibliographies and Lists.....		63
Translations received in the Library.....		64
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		65
Articles by State Agricultural Experiment Station Workers.....		77
List of State Extension Publications.....		97
Notes on Periodicals.....		104
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....		105
Hooker Scientific Library.....		110

<u>Number 3</u>	<u>March</u>	<u>Page</u>
Principal Library Accessions.....		113
Bibliographies and Lists.....		131
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		133
Agricultural Libraries Section Program.....		142
Articles by State Agricultural Experiment Station Workers.....		143
Congresses.....		154
Notes on Periodicals.....		155
Translation Service at the North Carolina State College.....		156
List of State Extension Publications.....		157
Translations received in the Library.....		165
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....		166
Lost Books.....		169
The Evaluation of Technical Periodicals.....		170
The Canadian Entomologist - Commemorative Number.....		174
International Committee of Agricultural Librarians - Communication VIII. By Dr. Sigmund von Frauendorfer.....		174
Imperial Bureau of Dairy Industry.....		175

<u>Number 4</u>	<u>April</u>	
Principal Library Accessions.....		177
Bibliographies and Lists.....		195
Translations received in the Library.....		196
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		197
Articles by State Agricultural Experiment Station Workers.....		217
List of State Extension Publications.....		221
Notes on Periodicals.....		226
Selected List of Processed Publications of the U. S. Department of Agriculture.....		227
Lost Books.....		231
Congresses.....		231
A Great Horticultural Library.....		232
Proposed Reorganization of Agricultural Libraries Section, American Library Association.....		235

<u>Number 5</u>	<u>May</u>	<u>Page</u>
Principal Library Accessions.....		237
Bibliographies and Lists.....		248
The Bibliographic Index.....		249
Translations received in the Library.....		250
Congresses.....		252
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		253
Notes on Periodicals.....		264
Miscellany.....		265
Articles by State Agricultural Experiment Workers.....		266
List of State Extension Publications.....		279
Selected List of Processed Publications of the U. S. Department of Agriculture.....		285
The Journal of the Ministry of Agriculture, London.....		290
Journals or Micro-Films?.....		291
Iowa State College Press.....		293

<u>Number 6</u>	<u>June</u>	
Principal Library Accessions.....		295
Bibliographies and Lists.....		307
Notes on Periodicals.....		308
Offers.....		308
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		309
Articles by State Agricultural Experiment Station Workers.....		321
Translations received in the Library.....		347
List of State Extension Publications.....		349
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....		355
Le Biblio film de la Commission Internationale des Industries Agricoles.....		359

Number 7JulyPage

Principal Library Accessions.....	361
Bibliographies and Lists.....	368
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	369
Oberly Memorial Fund Committee Report, 1938-1939.....	382
Articles by State Agricultural Experiment Station Workers.....	383
Notes on Periodicals.....	415
Congresses.....	416
List of State Extension Publications.....	417
Index of Translations, U. S. Department of Agriculture Library.....	423
Selected List of Processed Publications of the U. S. Department of Agriculture.....	424
Forestry Abstracts.....	431
Agricultural Libraries Section.....	432
Jose Toribio Medina Bibliographical Prize.....	435

Number 8August

Principal Library Accessions.....	437
Bibliographies and Lists.....	445
International Directory of Agricultural Libraries.....	446
Congresses.....	446
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	447
Translations received in the Library.....	459
Articles by State Agricultural Experiment Station Workers.....	461
List of State Extension Publications.....	481
Notes on Periodicals.....	486
Selected List of Processed Publications of the U. S. Department of Agriculture.....	487
Lost Books.....	493



<u>Number 9</u>	<u>September</u>	<u>Page</u>
Principal Library Accessions.....		495
Translations received in the Library.....		504
Congresses.....		504
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		505
The Land Grant Colleges: Advisory Committee on Education - Staff Study No. 10.....		512
Notes on Periodicals.....		513
Articles by State Agricultural Experiment Station Workers.....		515
Bibliographies and Lists.....		524
List of State Extension Publications.....		525
Selected List of Processed Publications of the U. S. Department of Agriculture.....		531
"Fifty Years of Experiment Station Record".....		534
Sketch of the Philadelphia Society for Promoting Agriculture - Memoirs 6. A Review by Everett E. Edwards.....		536
Offers.....		537

<u>Number 10</u>	<u>October</u>	
Principal Library Accessions.....		541
Bibliographies and Lists.....		551
Notes on Periodicals.....		552
Map of Major Land Management Activities.....		553
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		554
Articles by State Agricultural Experiment Station Workers.....		563
Translations received in the Library.....		582
New Dictionary Catalog of the International Institute of Agriculture.....		585
List of State Extension Publications.....		586
Selected List of Processed Publications of the U. S. Department of Agriculture.....		592
Land plays New Role in Rural Fiction. By Caroline B. Sherman.....		597

<u>Number 11</u>	<u>November</u>	<u>Page</u>
Principal Library Accessions.....		601
Translations received in the Library.....		612
Bibliographies and Lists.....		613
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		614
Articles by State Agricultural Experiment Station Workers.....		623
List of State Extension Publications.....		638
Literature Service for Chemists.....		644
Notes on Periodicals.....		645
Exchanges.....		646
Selected List of Processed Publications of the U. S. Department of Agriculture.....		647
Unclassified Books.....		651

<u>Number 12</u>	<u>December</u>	
Principal Library Accessions.....		601*
Bibliographies and Lists.....		611*
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		612*
Translations received in the Library.....		619*
Articles by State Agricultural Experiment Station Workers.....		621*
Notes on Periodicals.....		631*
1939 Yearbook of the U. S. Department of Agriculture.....		632*
List of State Extension Publications.....		633*
Selected List of Processed Publications of the U. S. Department of Agriculture.....		640*
"International Journal of Agrarian Affairs".....		644*
"The Advancement of Science" - A New Quarterly Publication of the British Association for the Advancement of Science.....		646*

\*By mistake, the pagination of the November issue was repeated in the December issue.



612a  
7

# AGRICULTURAL LIBRARY NOTES

## CONTENTS

Vol. 14

January 1939

No. 1

Principal Library Accessions.....	1
Bibliographies and Lists.....	17
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	19
Translations received in the Library.....	26
Articles by State Agricultural Experiment Station Workers.....	27
Oberly Memorial Prize.....	36
Notes on Periodicals.....	37
List of State Extension Publications.....	39
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....	43
Lost Books.....	46
International Committee of Agricultural Librarians - Communication VII. By Dr. Sigmund von Frauendorfer.....	47
Report on Agricultural Research in Great Britain.....	52

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.



# AGRICULTURAL LIBRARY NOTES

Volume 14

January 1939

Number 1

## PRINCIPAL LIBRARY ACCESSIONS\*

### Agriculture

- CONGRÈS NATIONAL D'AGRICULTURE, Namur, 1901. Comités de patronage et d'organisation, liste des membres adhérents; compte-rendu des séances des sections et des assemblées générales. Bruxelles, Vromant, 1901. 5 C7682
- CONGRÈS NATIONAL D'AGRICULTURE, Namur, 1901. Rapports préliminaires. Bruxelles, Vromant, 1901. 5 C7682
- HILL, W. W. The agricultural and hunting methods of the Navaho Indians. New Haven, Yale university press, 1938. (Yale university publications in anthropology. no. 18.) 31.3 H552
- POLITICAL AND ECONOMIC PLANNING. Report on agricultural research in Great Britain. London, P E P, 1938. 32 P75
- QUEENSLAND. DEPARTMENT OF AGRICULTURE AND STOCK. The Queensland agricultural and pastoral handbook. v.3 Brisbane, Whyte, 1938. vol.3, pt. 1. Insect pests and their control, by R. Veitch; pt. 2. Plant diseases and their control, by J. H. Simmonds. 36 Q3

### Botany

- ALSTON, A. H. G. The Kandy flora. Colombo, Ceylon government press, 1938. 460.12 A17
- DOYER, L. C. Manual for the determination of seed-borne diseases. Ed. by the International seed testing association. Wageningen, Veenman, 1938. 464 D77
- DUNTHORNE, G. Flower and fruit prints of the 18th and early 19th centuries. Washington, The author, 1938. 452.6 D92
- FREAR, Mrs. M. E. Flowers of Hawaii. New York, Dodd, Mead, 1938. 460.53 F87F
- FRITSCH, F. E. and SALISBURY, E. J. Plant form and function. London, Bell, 1938. 463 F91P
- HADFIELD, M. Everyman's wild flowers and trees. New York, Dutton, 1938. 458 H11
- HAYWARD, H. E. The structure of economic plants. New York, Macmillan, 1938. 463.41 H33
- LYON, C. J. Flowering plants and vegetation. Boston, Spaulding-Moss, 1938. 463 L99
- MACDOUGAL, D. T. Tree growth. Leiden, Chronica botanica company, 1938. (New series of plant science books, ed. by Frans Verdoorn. vol. 1) 463.36 M14T
- MURAKOSHI, M. Genshoku zusetsu shokubutsu daijiten. (A comprehensive botanical dictionary with illustrations in color). Tokyo, 1938. Japanese; with scientific names in Latin and definitions in English and German. 452.1 M93G
- NICOL, H. Plant growth-substances. London, Hill, 1938. 463.36 N54

\* Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS

## Botany (continued)

- OUDEN, P. den. Naamlijst van coniferen. Boskoop, Boskoopsche handels-  
 drukkerij, 1937. 452.14 Ou2  
 POTTER, M. C. Bio-electric potentials. Cambridge, Eng., Heffer, 1933.  
 463.36 P85  
 SEIFRIZ, W. E. The physiology of plants. New York, Wiley, 1938. 463.3  
 Se4  
 TORRICELLI, E. Estudio anatomico de las maderas chilenas. Santiago de  
 Chile, Soc. imp. y lito. universo, 1937. 463.4 T632  
 TROLL, W. Vergleichende morphologie der höheren pflanzen. bd. 1, t. 1.  
 Berlin, Borntraeger, 1937. 463.42 T74  
 YOUNGKEN, H. W. A college textbook of pharmaceutical botany with pharm-  
 aceutical and medical applications. Ed. 6. Philadelphia, Blakiston,  
 1938. 463 Y8 Ed.6

## Chemistry

- BRADSTREET, R. B. The standardization of volumetric solutions. New York,  
 Chemical publishing company, inc., 1938. Photoprinted. 386 B72  
 CUMMING, W. M. and others. Systematic organic chemistry, modern methods of  
 preparation and estimation. Ed. 3. New York, Van Nostrand, 1937. 386  
 C91 Ed.3  
 LLOYD, D. J. and SHORE, A. Chemistry of the proteins. Ed. 2. London,  
 Churchill, 1938. 386.2 L77 Ed.2  
 PILCHER, R. B. The profession of chemistry. Ed. 4. London, Institute of  
 chemistry of Great Britain and Ireland, 1938. 386 P64 Ed.4  
 THOMPSON, H. W. A course in chemical spectroscopy. Oxford, Clarendon  
 press, 1938. 387 T37  
 THORPE, W. V. Biochemistry for medical students. London, Churchill, 1938.  
 386.2 T39  
 WILLIAMS, R. J. A textbook of biochemistry. New York, Van Nostrand, 1938  
 386.2 W67T  
 WRIGHT, C. H. Agricultural analysis; a handbook of methods excluding those  
 for soils. London, Murby, 1938. 395 W93

## Colonization

- BUENOS AIRES (Province) INSTITUTO DE COLONIZACION DE LA PROVINCIA DE BUENOS  
 AIRES. Instituto de colonizacion de la provincia de Buenos Aires.  
 Entidad autarquica, ley 4418. Antecedentes de su creacion. La Plata,  
 Taller, 1937. 282.29 B86  
 CONGRESO AGRARIO DE COLONIZACION AMERICANO. 1st, Buenos Aires, 1939. Bases  
 y reglamento. Buenos Aires, Camara argentina de colonizacion, 1938.  
 282.29 C76201  
 MORTON, A. S. History of prairie settlement. "Dominion lands" policy, by  
 C. Martin. Toronto, Macmillan, 1938. (Canadian frontiers of settlement,  
 ed. by W. A. Mackintosh and W. L. G. Joerg. v. 2) 282.2 M21 v.2



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Cooperation

- ASHBY, A. W. Agricultural cooperation and the State. Aberystwyth, 1938.  
Processed. 280.2 As3
- BONOW, M. Kooperationen och folkförsörjningen. Stockholm, Kooperative förbundets bokförlag, 1936. 280.2 B642
- COWLING, E. Co-operatives in America. New York, Coward-McCann, 1938.  
280.2 C832C
- DAVIDOVITCH, G. La coopération yougoslave. Beograd, Jugoslavie, Fédération générale des unions coopératives, 1937. 280.2 D28
- FRIEDMANN, G. Sviluppo della cooperazione rurale. Torino, Volante, 1938.  
(Società cultura propaganda agraria, Torino. Collana di quaderni agrari.) 280.2 F912
- HEAPS, I. W. Twenty years of cooperative milk marketing in Baltimore. Baltimore, 1938. 280.244 H35
- KEEN, G. The organisation of a consumers co-operative. Brantford, Ont., Cooperative union of Canada, 1938. 280.2 K25
- PENNSYLVANIA. COMMISSION ON INTERSTATE COOPERATION. Report. Harrisburg, 1937. 280.2 P38

Credit, Agricultural

- SKEELS, W. O. Frazier-Lemke farm debt moratorium act. Oklahoma City, Leader press, 1937, 284.2 Sk2
- 1938 supplement. Oklahoma City, Leader press, 1938.  
284.2 Sk2
- SWEDEN. JORDBRUKSDEPARTEMENTET. Betänkande med förslag till vissa lagstiftningsåtgärder till motverkande av överdriven skuldsättning inom jordbruket. Stockholm, Marcus, 1937. (Statens offentliga utredningar 1937:14. Jordbruksdepartementet) 284.2 Sw32

Dairy Products

- BUECHEL, F. A. Manufacture of dairy products in Texas. Austin, Bureau of business research, University of Texas, 1938. Processed. 281.344 B86M
- MASSACHUSETTS. SPECIAL COMMISSION OF THE LAWS RELATING TO MILK AND MILK PRODUCTS. Reprot. Boston, Wright & Potter, 1938. (General court, 1937. Senate. Doc. no. 410) 281.344 M38
- TAYNAUD, R. Trois conférences sur les améliorations du fromage de Munster. Conférences faites à radio-Strasbourg les 13 septembre, 11 octobre, 1er novembre 1937. Epinal, Ministère de l'agriculture, Direction des services agricoles des Vosges. 1938. 44 R212
- SOMMER, H. H. Market milk and related products. Madison, Wis., The author, 1938. 44 So53M

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Description and travel

- FEDERAL WRITERS' PROJECT, Minnesota. Minnesota, a state guide. New York, Viking press, 1938. (American guide series) 125 F312Min
- FEDERAL WRITERS' PROJECT. New England hurricane. Boston, Hale, Cushman and Flint, 1938. 340 F31
- FEDERAL WRITERS' PROJECT, North Dakota. North Dakota, a guide to the northern prairie state. Fargo, Knight, 1938. (American guide series) 125 F312No

Economics

- BABSON, R. W. The folly of instalment buying. New York, Stokes, 1938. 286.2 B11
- BEER, M. Early British economics from the XIIIth to the middle of the XVIIIth century. London, Allen & Unwin, 1938. 280 B39
- BUCK, A. E. The reorganization of state governments in the United States. New York, Columbia university press, 1938. (National municipal league series). 280.12 B85R
- COUNCIL OF ACTION FOR PEACE AND RECONSTRUCTION. A report on social justice and national reconstruction. London, Metchim, 1938. 280.171 C832
- COWAN, A. L. Consumer mathematics; a guidance course in commercial relations. Harrisburg, Pa., Stackpole, 1938. 280 C835
- COYLE, D. C. Roads to a new America. Boston, Little, Brown, 1938. 280.12 C832R
- DALMULDER, J. J. J. On econometrics. Haarlem, Bohn, 1937. (Nederlandsch economisch instituut. Publicatie, nr. 19). 280 D16
- DENNISON, H. S. and others. Toward full employment. New York, McGraw-Hill, 1938. 280.12 D42
- DURKHEIM, E. The rules of sociological method. Ed. 8. tr. by S. A. Solovay and J. H. Mueller and ed. by G. E. G. Catlin. Chicago, University of Chicago press, 1938. (The University of Chicago sociological series) 280 D93C Ed.8
- EUREKA COLLEGE, Eureka, Ill. DEPARTMENT OF SOCIOLOGY. Eureka, a community survey. Eureka, 1938. Lithographed. 280.023 Eu7
- ELEMING, D. F. The United States and world organization, 1920-1933. New York, Columbia university press, 1938. 280 F62
- FRANK, J. N. Save America first. Ed. 3. New York, Harper, 1938. 280.12 F652
- FRASER, A. The economics of the Bible. Pittsburgh, The author, 1938. 280 F863
- HANSEN, A. H. Full recovery or stagnation? New York, Norton, 1938. 280 H192F
- HODSON, H. V. Slump and recovery, 1929-1937. London, Royal institute of international affairs, 1938. 280 H66S

PRINCIPAL LIBRARY ACCESSIONS

## Economics (continued)

- HOGBEN, L. The retreat from reason, delivered at Conway Hall. London, Watts, 1937. (Conway memorial lecture) 280 H67R
- KINGSPORT, Tenn. Rotary club. Kingsport, city of industries, schools, churches and homes. Kingsport, 1937. 280.081 K61
- KLORER, J. D., and others, ed. The new Louisiana. New Orleans, Franklin printing company, 1936. 280.033 K69
- KREY, A. C. A regional program for the social studies. New York, Macmillan, 1938. 280 K88
- LOUISIANA, DEPT. OF COMMERCE AND INDUSTRY. Louisiana's resources and purchasing power. Baton Rouge, 1938. 280.033 L93
- MANITOBA. Manitoba's case; a submission presented to the Royal commission on dominion-provincial relations by the government of the province of Manitoba. Winnipeg, Cowie, 1937. 280.133 M312
- NEDIÉLCHEV, K. D. Vunshnata turgoviia na Bulgariia, 1920-1936. Sofia, Pechatnitse poligrafii, 1937. Foreign trade in Bulgaria, 1920-1936. 286 N282
- REUTER, E. B. The American race problem. Rev. ed. New York, Crowell, 1938. (Crowell's social science series) 280.12 R31 Rev. ed.
- RICHMOND, Va. CHAMBER OF COMMERCE. RESEARCH DEPT. An economic appraisal of Richmond, Virginia. Richmond [1938?] Mimeographed. 280.089 R41
- RUMNEY, J. The science of society. London, Duckworth, 1938. 280 R86
- SWEDEN. SOCIALDEPARTEMENTET. Beträffande med utredning och förslag rörande beredskapsarbeten, avgivet av 1936 års utredning angående beredskapsarbeten. Stockholm, Beckmans, 1937. (Statens offentliga utredningar 1937: 26. Socialdepartementet) 280.173 Sw32
- THOMPSON, J. WALTER, company. The merchandising of food products by industry co-operatives. San Francisco, 1937. 286.2 T37
- THE TIMES, London. India number. London, 1937. (No. 47640, Tuesday, Mar. 23, 1937. 280.182 T481 1937
- WITTFOGEL, K. A. New light on Chinese society. New York, International secretariat, Institute of Pacific relations, 1938. 280.184 W78

## Economics, Agricultural

- BRDLÍK, V. A short survey of agriculture in Czechoslovakia. Prague, State printing off., 1938. 281.177 B73
- BRITISH agriculture; the principles of future policy: A report on an enquiry organized by Viscount Astor and B. Seebom Rowntree. London, Longmans, Green, 1938. 281.171 B77
- BRITISH EMPIRE PRODUCERS' CONFERENCE. 1st, Sydney, 1938. Report of the proceedings. Sydney, N.S.W., Paisley, 1938. 281.9 B77001
- BRUNNER, E. de S. Rural Australia and New Zealand. New York, American council, Institute of Pacific relations, 1938. (Studies of the Pacific, no. 2) 281.1992 B83



PRINCIPAL LIBRARY ACCESSIONS

## Economics, Agricultural (continued)

- CIBELLI, E. Per il traffico bananiero nazionale. Roma, Ministero dell'Africa italiana, Regia azienda monopolio banane, 1938. 286.393 C48
- CORPORACION ARGENTINA DE PRODUCTORES DE CARNES. La corporación en el mercado de Liniers. Buenos Aires, 1937. 286.350 C81
- La corporación en el mercado de Liniers. Hacienda para consumo. Buenos Aires, 1937. 286.350 C81C
- L'EMANCIPATION PAYSANNE. La mutualité nationale intégrale. Les allocations familiales en agriculture. [Paris 1938?] (La Documentation paysanne. no. 1) 281.174 Eml
- FEDERAÇÃO NACIONAL DOS PRODUCTORES DE TRIGO. Legislação. Lisboa, Gráfica lisbonense, 1938. 281.359 F31L
- INTERNATIONAL WOOL CONFERENCE. 12th, Warsaw, 1936. [Report] Krakow, Drukarnia narodowa, 1937. English, French and German. 286.3459In8 12th
- MANCHURIAN AGRICULTURAL PRODUCTS INSTITUTE. Agricultural products in Manchoukuo. Hsinking, 1938. 281.184 M31
- MONROE CO., N.Y. DEPT. OF PUBLIC WORKS. DIVISION OF REGIONAL PLANNING. Report on the winter-kill of apple trees in Monroe county, New York, during the winter of 1933 and 1934. Rochester, 1938. Mimeographed. 281.393 M75
- MYRDAL, G. Jordbrukspolitiken under omläggning. Stockholm, Kooperativa förbundets bokförlag, 1938. 281.173M99
- NATIONAL FARMERS UNION. British agriculture, 1938. London, 1938. (N.F.U. no. 57) 281.171 N213B
- TUROWSKI, G. Warunki i drogi rozwoju gospodarczego wsi Polskiej. Ed. 2. Warszawa, "Gospodarki narodowej", 1938. 281.177 T86 Ed. 2
- U.S. WORKS PROGRESS ADMINISTRATION, Virginia. Rural research division. Part-time farming in Virginia. By B. L. Hummel and R. B. Hummel. Blacksburg, 1938. 281.2 Un33

## Education

- BALL, C. R. A study of the work of the land-grant colleges in the Tennessee valley area in cooperation with the Tennessee valley authority. [n.p., 1938] 275.1 B21
- DEVENTER, Netherlands. MIDDELBARE KOLONIALE LANDBOUWSCHOOL. Gedenkboek aangeboden bij het vijf en twintig jarig bestaan der Middelbare koloniale landbouwschool te Deventer, 16 september 1937. Amsterdam, De Bussy [1937?] 105.2 D49G
- HOLLIS, E. V. Philanthropic foundations and higher education. New York, Columbia university press, 1938. 276 H72
- SMITH, M. B. A sociological analysis of rural education in Louisiana. Baton Rouge, 1938. (Louisiana State university studies. no. 35) 275 Sm6
- SWEDEN. LANTBRUKSUNDERVISNINGSKOMMITTÉN, 1936. Betänkande med förslag angående den fasta lantbruksundervisningens ordnande. Stockholm, Marcus, 1937. (Statens offentliga utredningar 1937: 33. Jordbruksdepartementet) 275.1 Sw3

PRINCIPAL LIBRARY ACCESSIONS

## Education (continued)

WASHINGTON (State) STATE COLLEGE. DEPT. OF EXTENSION, Forage school held at the State college of Washington, Pullman, Washington, March 14-17, 1938. Pullman, Wash., 1938. Mimeographed. 275.2 W27Fs

## Engineering

- GOLDEN GATE BRIDGE AND HIGHWAY DISTRICT. The Golden Gate bridge. San Francisco, 1938. 290 C125 1937
- GREINER, J. E., company. Maryland's primary bridge program. Baltimore, 1938. 290 G863
- ILLINOIS. UNIVERSITY. COLLEGE OF ENGINEERING. In commemoration of the occasion and celebration attending the ceremony of renaming the Materials testing laboratory, the Arthur Newell Talbot laboratory, April twenty-first, nineteen hundred thirty-eight. Urbana, 1938. 290 I162I
- MASSACHUSETTS. SPECIAL COMMISSION ON INVESTIGATION AND STUDY RELATIVE TO CERTAIN PROBLEMS IN THE MERRIMACK VALLEY. Report. Boston, Wright & Potter, 1938. (General court, 1937, Senate Doc. 100) 290 M385
- NEW HAMPSHIRE. Report on interstate compacts for flood control by the commissioners for the state of New Hampshire. February 15, 1938. Concord, Concord Press, 1938. 290 N452
- NEW YORK (State) FLOOD CONTROL COMMISSION. Report for the period February 22, 1936, to February 1, 1937. Albany, Lyon, 1937. (Legislative document (1937) no. 59. State of New York) 290 N4894
- SHEIRY, E. S. Elements of structural engineering. Scranton, International textbook company, 1938. (International texts in civil engineering, Charles Edward O'Rourke, consulting editor) 290 Sh42

## Entomology

- BARREDA, L. de la. Las plagas en la casa del campesino; manera de combatirlas. Mexico, Secretaría de agricultura y fomento, Instituto biotécnico, 1937. 423 B272
- DEUTSCHE GESELLSCHAFT FÜR SCHADLINGSBEKÄMPFUNG m.b.h., Frankfurt a.M. "Degesch"-methods for pest control. Frankfurt, 1937. 423 D483
- Degesch, 20 jahre schadlingsbekämpfung 1917-1937. Frankfurt a. M., 1937. 423 D483D
- FABRE, J. H. C. Marvels of the insect world. New York, Appleton-Century, 1938. 422 F11Ma
- KING, E. and PESSELS, W. Insect allies. New York, Harper, 1938. 422 K581
- PARENT, O. Diptères Dolichopodidae. Paris, Lechevalier, 1938. (Fédération française des sociétés naturelles. Office central de faunistique. Faune de France. t. 35) 411F273 t.35
- SCHENKLING, S. Faunistischer führer durch die coleopterenliteratur. bd. 1, lfg. 1-2. Neubrandenburg (Meckl.), Feller, 1938. 427Sch2F

PRINCIPAL LIBRARY ACCESSIONS

## Entomology (continued)

- SWELLENGREBEL, M. H., and BUCK, A. de. Malaria in the Netherlands. Amsterdam, Scheltema & Holkema, 1938. 428 SW3M  
 WEBER, H. Grundriss der insektenkunde. Jena, Fischer, 1938. 422 W382G

## Finance

- COWLES, A., and others. Common-stock indexes, 1871-1937. Bloomington, Ind., Principia press, 1938. (Cowles commission for research in economics. Monograph no. 3) 284 C832  
 DENVER. UNIVERSITY. SCHOOL OF COMMERCE, ACCOUNTS, AND FINANCE. BUREAU OF BUSINESS AND SOCIAL RESEARCH. Financing government in Colorado, 1926-1937. Denver, 1938. (Business study no. 90) University of Denver reports. v. 14, no. 1, March 1938) 284 D43  
 RIST, C. Histoire des doctrines relatives au crédit et à la monnaie depuis John Law jusqu'à nos jours. Paris, Sirey, 1938. 284 R49H  
 VAILE, R. S., and CANOYER, H. G. Income and consumption. New York, Holt, 1938. (American general education series, ed. by M. S. MacLean) 284 V19

## Food, Nutrition

- BRITISH ASSOCIATION FOR LABOUR LEGISLATION. Report on nutrition. London, Hull [1938?] 389.1 B772  
 COX, H. E. The chemical analysis of foods. Ed. 2. Philadelphia, Blakiston, 1938. 389 C832 Ed. 2  
 FIENE, F., and BLUMENTHAL, S. Handbook of food manufacture. New York, Chemical publishing co., 1938. 389 F45  
 MARTIN-CHARPONEL, G. Le pain de froment. Chaumont, Jean, 1937. 289.1 M36  
 STEWART, J. J. Foods; production, marketing, consumption. New York, Prentice-Hall, 1938, (Home and family life series) 389 St4  
 SWEDEN. BEFOLKNINGSKOMMISSIONEN. Beträffande angående barnbeträdnadsbidrag m. m. Stockholm, Marcus, 1938. (Statens offentliga utredningar 1938: 7. Socialdepartementet) 389 Sw33B  
 WILMOT, J. S., and BATJER, M. Q. Food for the family. Chicago, Lippincott, 1938. 389.2 W68

## Forestry, Trees

- BEATY, J. Y. Trees. Chicago, Donohue, 1938. 409.5 B38  
 BLAIS, R. La forêt. Paris, Presses universitaires de France, 1938. (Loisirs dans la nature) 99.25 B57  
 BONSAI MEIBOKU SHASHIN SHU. (A collection of pictures of famous dwarf trees). Tokyo, 1937-38. (Agricultural world. v. 32, no. 9, special issue; v. 33, no. 6, special issue) Japanese. 99.05 B64



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Geography, Economic

EASTMAN, R. O. Marketing geography. New York, Alexander Hamilton institute, 1938. 278.12 Ea7 1938

Histology

MAKSIMOV, A. A., and BLOOM, W. A textbook of histology. Ed. 3. Philadelphia, 1938. 444 M282 Ed. 3

History

HUTCHESON, H. Tench Coxe. Baltimore, Johns Hopkins press, 1938. (Johns Hopkins university studies in historical and political science, extra vol., n.s., no. 26) 277.12 H97

LATTA, W. C. Outline history of Indiana agriculture. Lafayette, Ind., Alpha lambda chapter of Epsilon sigma phi in cooperation with Purdue university agricultural experiment station and the Department of agricultural extension and the Indiana county agricultural agents association, 1938. 30.9 L34

Horticulture

BUTLER, MRS. J. R. Floralia. Chapel Hill, University of North Carolina press, 1938. 90.51 B97

DUBUQUOY, M. Horticulture moderne. Gembloux, Duculot [1938?]. 90 D852

KAINS, H. G., and McQUESTEN, L. M. Propagation of plants. New York, Orange Judd, 1938. 90.11 K12P

KOBEL, F. Die kirschensorten der deutschen Schweiz. Bern-Bümpliz, Benteli, 1937. 93.32 K79

ROCKLEY, A. M. T. C. Historic gardens of England. London, Country Life, 1938. 90.51 R59

ROMANIE-JAMES, H. C. H. Herb-lore for housewives. London, Jenkins, 1938. 91.47 R66

TUINBOUW encyclopedie, onder leiding van dr. H. Scheerlinck and others. v. 1. Antwerpen, De Sikkel, 1938. 90.01 T81

Industrial and Office Management

ANDERSON, E. H., and SCHWENNING, G. T. The science of production organization. New York, Wiley, 1938. 249.4 An2

YODER, D. Personnel and labor relations. New York, Prentice-Hall, 1936. 249.3 Y7

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Land

- CANADA. DEPT. OF AGRICULTURE. MARKETING SERVICE. ECONOMICS DIVISION.  
Classification of land, Sounding creek special area, Alberta. [n.p.,  
1938] Processed. 282 C1652
- HOLMES, J. C. Preliminary report, land use problems in Canterbury,  
New Hampshire. [New Haven? 1938?] Processed. 282 H73
- WISCONSIN. EXECUTIVE COUNCIL. DIVISION OF LAND ECONOMIC INVENTORY. Lake  
survey data of Bayfield county, Wisconsin, comp. in 1934 and rev. in  
1938 by Division of land economic inventory, state of Wisconsin.  
Madison, 1938. Mimeographed. 282 W754
- WOODHOUSE, W. J. Solon the liberator. London, Milford, 1938. 232 W853

Law

- SHEALEY, R. P. The law of government contracts <federal contracts>. Ed. 3  
Washington, Federal publishing company, 1938. 274 Sh3 Ed. 3

Library Economy

- KUHLMAN, A. F., ed. College and university library service, trends, stand-  
ards, appraisals, problems. Chicago, American library association, 1938.  
243 K95

Marketing, Market Surveys

- BUTLER, J. B. A survey of egg supplies and consumption in a midland market  
town. Shrewsbury, Harper Adams agricultural college, Department of  
agricultural economics [1937?]. 280.347 B97
- CANADA. DEPT. OF LABOUR. Combines investigation act. Ottawa, Patenaude,  
1938. 280.369 C16
- CHOWN, W. F., and HOPPER, W. C. The wholesale marketing of fresh fruits  
and vegetables in the city of Toronto. [Toronto?] Economics division,  
Marketing service, Dominion department of agriculture, 1938. Processed.  
280.3 C45
- CHICAGO UNIVERSITY. RESEARCH BUREAU. What families plan to buy next.  
Chicago, 1938. Processed. 280.32 D44
- ECONOMICS BUREAU FOR THE PREVENTION OF COTTON-MIXING. Mode de marquage des  
balles de coton pressées à la vapeur. Le Caire, Imprimerie nationale,  
1938. French and English. 280.372 Eg9
- HOTCHKISS, G. B. Milestones of marketing. New York, Macmillan, 1938.  
280.3 H79
- NATIONAL LIVE STOCK PREVENTION BOARD. Preventable losses in marketing  
live stock. [n.p.] 1937. 280.340 N21

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Meat Inspection and Trade

- DRABBLE, J. Textbook of meat inspection. Ed. 2. Sydney, Angus & Robertson, 1938. 50 D782 Ed. 2  
LEECH, H., and CARROLL, J. C. Armour and his times. New York, Appleton-Century, 1938. 50 L51

Natural History

- HANCOCK PACIFIC EXPEDITIONS. [Reports on the collections obtained by the Hancock Pacific expeditions. of Velero III off the coast of Mexico, Central America, South America, and Galapagos islands in 1932-1938] v.2, no. 1-8; v. 3, no. 1-5; v. 4, no. 1; v. 5, no. 1. Los Angeles, University of southern California press, 1935-38. 409 H196

Parasitology

- BRUMPT, E. Titres et travaux scientifiques. Paris, Masson, 1934. 436 B833T  
MONNIG, M. O. Veterinary helminthology and entomology. Ed. 2. London, Bailliere, Tindall and Cox, 1938. 436 M75V Ed. 2

Pharmacy

- AMERICAN MEDICAL ASSOCIATION, COUNCIL ON PHARMACY AND CHEMISTRY. Useful drugs. Ed. by R. A. Hatcher. Ed. 11. Chicago, 1938. 396 Am33U Ed. 11

Photography

- NEBLETTE, C. B. Photography, its principles and practice. Ed. 3. New York, Van Nostrand, 1938. 332 N27 Ed. 3

Physics

- AMERICAN SOCIETY FOR TESTING MATERIALS. Symposium on plastics. Philadelphia, 1938. 334 Am35P  
HEVESY, G. von, and PANETH, F. A. A manual of radioactivity. London, Milford, 1938. 334 H48 Ed. 2  
HIRSCHLAFF, E. Fluorescence and phosphorescence. New York, Chemical publishing co. of N. Y., 1938. (Methuen's monographs on physical subjects) 334 H61

Planning and Planning Board Publications

- ILLINOIS. STATE PLANNING COMMISSION. Report on the Rock river basin in Illinois. Chicago, 1938. 280.7 I16Rr  
LOS ANGELES CO., Calif. REGIONAL PLANNING COMMISSION. Land use survey, county of Los Angeles. Los Angeles, 1938. Processed. 280.7 L89



PRINCIPAL LIBRARY ACCESSIONS

## Planning and Planning Board Publications (continued)

- MINNESOTA. STATE PLANNING BOARD. List of maps and charts. [St. Paul? 1937] Processed. 280.7 M662L
- NEBRASKA. STATE PLANNING BOARD. Nebraska's population. Lincoln, 1937. Mimeographed. 280.7 N27
- NEW JERSEY. STATE PLANNING BOARD. Maps, factual data, and other reference material. Trenton, 1938. Processed. 280.7 N46Ma
- OKLAHOMA. PLANNING AND RESOURCES BOARD. DIVISION OF WATER RESOURCES. Water resources of Cimarron county, Oklahoma. [n.p.] 1938. Typewritten. 280.7 Ok43
- OREGON. STATE PLANNING BOARD. Present and potential land development in Oregon through flood control, drainage and irrigation. [Portland?] 1938. Processed. 280.7 Or33Pr
- PACIFIC NORTHWEST REGIONAL PLANNING COMMISSION. Letter to the Joint congressional committee to investigate the adequacy and use of phosphate resources of the United States. Portland, 1938. Processed. 280.7 P11L
- WASHINGTON (State). STATE PLANNING COUNCIL. Model rural land zoning resolution. Olympia, 1938. Processed. 280.7 W27M

## Plant Breeding

- ROEMER, T., and RUDORF, W., ed. Handbuch der pflanzenzüchtung. bd. 1, lfg. 1-2. Berlin, Parey, 1938. 64 R66

## Prices

- MILLER, H. S. Price control in fascist Italy. New York, Columbia university press, 1938. (Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. no. 444) 284.3 M61
- TEXAS. UNIVERSITY. BUREAU OF BUSINESS RESEARCH. Farm cash income in Texas, 1927-1938 (preliminary report). By F. A. Buechl and E. H. Johnson. Austin, 1938. Processed 284.3 T31F 1927-1938

## Refrigeration

- SPARKS, F. R. Theory of mechanical refrigeration. New York, McGraw-Hill, 1938. 295 Sp2

## Science

- BEADNELL, C. M. Dictionary of scientific terms. London, Watts, 1938. 330 B35
- CHAMBERLIN, R. V. The kingdom of man. Salt Lake City, Extension division, University of Utah, 1938. (Bulletin of the University of Utah. v. 28, no. 9. Feb. 1938) 330 C35
- INTERNATIONAL ENCYCLOPEDIA OF UNIFIED SCIENCE. v. 1,2,5. Chicago, University of Chicago press, 1938. 330 In82



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Sewerage

KREUZ, A. Handbuch der landwirtschaftlichen abwasserverwertung, Berlin, Ebeling & Hiehold, 1938. 293 K882

Soil

DEMOLON, A. La dymanique du sol. Ed.2. Paris, Dunod, 1938. (Principes d'agronomie. t.1) 56 D39 Ed. 2

HOUSON, R. Bodenkultur der zukunft. Neudamm und Berlin, Neumann, 1938. 56.7 H48

WATSON, G. C. The soil and social reclamation. London, King, 1938. 56 W33

Statistics

CRUM, W. L. and others. Introduction to economic statistics. New York, McGraw-Hill, 1938. 251 C88 1938

FISHER, R. A. Statistical methods for research workers. Ed. 7. Edinburgh, London, Oliver and Boyd, 1938. (Biological monographs and manuals. no. 5) 251 F53 Ed. 7

INSTITUT INTERNATIONAL DE STATISTIQUE. OFFICE PERMANENT. International abstract of economic statistics, 1931-1938. Ed. 2. The Hague, 1938. 251 In87 1931-36

JONASSON, O., and others. Agricultural atlas of Sweden, compiled on behalf of the Royal Swedish academy of agriculture. Stockholm, Lantbrukssällskapets tidskriftsaktiebolag, 1938. 257.3 J69A

RIGGLEMAN, J. R., and FRISBEE, I. N. Business statistics. Ed. 2. New York, McGraw-Hill, 1938. 251 R443 Ed. 2

Taxation

INDIANA. UNIVERSITY. BUREAU OF GOVERNMENTAL RESEARCH. A summary of Indiana centralization. By E. B. McPheron. Bloomington, 1938. Processed. 284.5 In232

MISSISSIPPI. STATE TAX COMMISSION. Report of a survey of homesteads in the state of Mississippi (as of the 1937 assessment records). [Jackson?] 1938. Processed. 284.5 M693

NEW YORK (State) STATE TAX COMMISSION. INCOME TAX BUREAU. Rulings and questions and answers concerning the Unincorporated business income tax law and text of the Personal income tax law. Albany, Lyon, [1936?] (Manual 35-B) 284.5 N4822R

WALKER, J. E. Highway tax costs. Washington, National highway users conference, 1938. 284.5 W154 1938

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Traffic

- ADVISORY COMMITTEE ON UNIFORM TRAILER LEGISLATION. Preliminary report on uniform trailer legislation, prepared by C. S. Hinman. Chicago, Central secretariat of the Council of state governments [1937?] 289.4 Ad9
- JENSEN, BOWEN & FARRELL, Ann Arbor, Mich. Traffic planning report, Louisville, Kentucky, 1937-1938. Ann Arbor, 1938. 289.6 J48T
- NATIONAL SAFETY COUNCIL. Improving street traffic, Vancouver, B. C. Chicago, 1938. 289.6 N21Im
- SOUTH CAROLINA. STATE HIGHWAY DEPT. South Carolina highway traffic safety survey. [Columbia?] 1935. Mimeographed. 289.6 So82
- TRIPP, H. A. Road traffic and its control. London, Arnold, 1938. (The roadmakers' library. v. 7) 289.6 T73
- VERITAS, pseud. Speed the killer, the terror of the road. London, Bale & Curnow, 1937. 289.6 V58

## Veterinary Medicine

- EASTERN STATES VETERINARY CONFERENCE, New York, 1937. Proceedings. [Evanston?] North American veterinarian, 1938. 41.9 Ea74
- HUTYRA, F., and others. Special pathology and therapeutics of the diseases of domestic animals. Ed. 4. London, Bailliere, Tindall and Cox, 1938. 41 H975A Ed. 4
- MURRAY, F. J. Canine hysteria. London, Spon, 1938. 41 M962

## Zoology

- ALLEE, W. C. The social life of animals. New York, Norton, 1938. 411 A152S
- ALLEN, G. M. The mammals of China and Mongolia. v. 1. New York, American museum of natural history, 1938. (Central Asiatic expeditions of the American museum of natural history. Natural history of central Asia. v. xi, pt. 1.) 412.3 A15
- BODENWEINER, F. S. Problems of animal ecology. London, Oxford university press, 1938. 411 B634
- BOULENGER, E. G. World natural history. New York, Scribner, 1938. 411 B662W
- BUCHSBAUM, R. M. Animals without backbones. Chicago, University of Chicago press, 1938. 411 B85
- FEDERAL WRITERS' PROJECT. New York (City). Birds of the world. Chicago, Whitman, 1938. 413 F31
- GROOS, K. Die spiele der tiere. Ed. 3. Jena, Fischer, 1930. 411 G89 Ed. 3
- JENSEN, A. S., and others, ed. The zoology of the Faroes. v. 2, pt. 1. Copenhagen, Høst, 1937. 411.2 J45
- KONGO, BELGIAN. INSTITUT DES PARCS NATIONAUX DU CONGO BELGE. Mammifères & oiseaux protégés au Congo Belge. Par S. Frechkop. Bruxelles, Hayez, 1938. 411 K332
- RICHARDS, H. G. Animals of the seashore. Boston, Humphries, 1938. 411 R392

-----  
PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Reference Books

- BRAITENBERG, F. von. Englisch-deutsches und deutsch-englisches medizinisches wörterbuch. Ed. 7. v. 2 Leipzig und Wien, Deuticke, 1938. 201 B732 Ed. 7
- FOTOS, J. T., and others. German grammar for chemists and other science students with simple graded readings based on vocabulary and syntax frequency studies. New York, Wiley, 1938. 201 F82
- LEHMANN, E., ed. Deutsche biologien-handbuch; eine übersicht über die deutschen biologien, die biologischen institute und organisationen. Ed. 2. München, Lehmann, 1938. 239 L522 Ed. 2.
- RUSSELL SAGE FOUNDATION, New York. LIBRARY. American foundations for social welfare. Rev. ed. New York, 1938. 225 R91 Rev. ed.
- TEALL, E. N. Meet Mr. Hyphen and put him in his place. New York, Funk & Wagnalls, 1937. 200 T222

Theses

- ANDES, J. Problems in the basic-surplus plan in the Philadelphia milk shed. Philadelphia, 1937. Thesis (Ph.D.) University of Pennsylvania. 281.344 An2
- CARBONE, M. G. Economic difficulties of the lumber industry of the United States, 1850-1932. New York, 1937. Thesis (Ph.D.) Columbia university, 1937. 99.76 C17
- CULLISON, J. R. International trade in animal and vegetable oils and fats and its relation to American agriculture. Urbana, 1936. Typewritten. Thesis (M.S.) University of Illinois. 286.377 C89
- DUMONT, E. Beitrag zur differential-diagnose parasitärer und nicht-parasitärer gebilde bei der mikroskopischen untersuchung des schweinkotes. Hannover, 1937. Inaug.-diss. Tierarztl. hochschule, Hannover. 436 D89
- FÖRG, J. Experimentelle untersuchungen über den keimgehalt der milch sowie dessen beeinflussung durch verschiedene futtermittel. [München? 1935?] Mimeographed. Abhandlung. Tech. hochschule, München. 448.2 F76
- GYGI, H. Wärmetechnische untersuchungen des drehofens zur herstellung von Portlandcementklinker. Zürich, 1937. Promotionsarbeit. Tech. hochschule, Zürich. 299 G99
- HENRY, R. E. The application of enzymes to the improvement of artichoke sirup. Urbana, 1937. Abstract of thesis (Ph.D.) University of Illinois. 390 H38
- HERRMANN, H. Die inzucht beim Angler rind in ihren auswirkungen auf milch- und milchfottleistungen. Hannover, 1934. Inaug.-diss. Tierarztl. hochschule, Hannover. Also Tabellen-anhang. [Hannover? 1934?] 43H432
- HILLMANN, E. Die tierwelt der kältesteppe und der gemässigten steppengebiete. Hamburg, 1934. Processed. Inaug. diss. Hamburg. 411.2 H55



PRINCIPAL LIBRARY ACCESSIONS

## Theses (continued)

- JUSSIAINT, J. La structure économique de la Suède et de la Belgique; essai d'économie comparée. Bruxelles, L'Édition universelle soc. an., 1938. (Collection de l'École des sciences politiques et sociales de l'Université de Louvain) Thèse. Institut de recherches économiques de l'Université de Louvain. 280.17 J98
- KASSEL, A. Entwicklung eines bemessungsverfahrens für die scheitelspanne in eisenbetonbrücken, gewölben für kostenvergleiche. [Karlsruhe? 1936?] Processed. Diss. Karlsruhe. Auszug. 290 K15
- LEML, E. Anfall und verwertung des schlachtblutes in den deutschen schlachthöfen im jahre 1933. Büchberg, 1937. Processed. Diss. Giessen. 50 L64
- MEISSNER, M. Untersuchungen über merichinoide verbindungen. Giessen, 1935. Mimeographed. Diss. Giessen. 387.1 M474
- MEYER, W. G., and WORK, L. T. Flow of fluids through beds of packed solids. New York, 1937. Thesis (Ph.D.) Columbia university. 334 M572
- MÖLLER, E. Untersuchungen über die eier-erzeugungs- und eier-absatz-verhältnisse im rechtsrheinischen Bayern unter besonderer berücksichtigung der stadt München. Landau, Pfalz [1934?]. Abhandlung. Tech. hochschule, München. 280.347 M73
- MORTADA, S. A. Beitrag zur untersuchung der fachwerke aus geschweissten stahl und eisenbeton unter statischen und dauerbeanspruchungen. Zürich, 1936. Promotionsarbeit. Tech. hochschule, Zürich. 290 M84
- RÜDELIN, M. Betriebswirtschaftliche untersuchung eines bäuerlichen betriebes von 22, 92 ha in der gemeinde Oberrimbach o./a. Mergentheim. Pienungen-Stuttgart, 1930. Inaug.-diss. Württemberg. landw. hochschule, Hohenheim. 281.175 R86
- SCHERER, T. Beiträge zur kenntnis der chlorophyllabbau-produkte. [München? 1935?] Processed. Abhandlung. Tech. hochschule, München. 387.1 Sch23
- SCHMID, H. Über das verhalten der einzelnen milchsäurebakteriengruppen bei Emmentalerkäsen. [n.p., 1935?] Mimeographed. Inaug.-diss. Tech. hochschule, München. 448.2 Sch54
- SCHMITT, M. Die bonifica integrale italiens unter besonderer berücksichtigung der erbarmachung und besiedlung der pontinischen sumpfe. Wismar, 1934. Inaug. diss. Berlin. 282 Sch53
- SCHNELL, J. Über die katalytische hydrierung und die oxydation von derivaten der chlorophylle a und b. [München? 1934?] Processed. Abhandlung. Tech. hochschule, München. 387.1 Sch593
- SMITH, A. V. P. The ecological relations and plant successions in four drained millponds of the eastern shore of Maryland. (The Catholic university of America. Biological series. no. 27) Washington, 1938. Thesis (Ph.D.) Catholic university of America, Washington, D.C. 455.28 Sm5
- SPIELFENGER, G. Teilsynthese der chlorophyllide a und b. [München? 1934?] Processed. Abhandlung. Tech. hochschule, München. 387.1 Sp43



---

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- Altsheler, B. Longevity or study of the life-span, showing six years loss in adult expectation in life. Louisville, Ky., Natural history publishing co., 1937. (Supplement no. 2 to Natural history index-guide). 8 p. 241.7 A17A no. 2
- A monograph of *Neofelis nebulosa* and *Pardofelis marmorata* or the clouded leopard and the marbled cat; supplementing references given in the Natural history index-guide; a survey of the history in the library records and a census of specimens in museums of natural science. Louisville, Ky., Natural history publishing company, 1936. 7 p. 241.7 A17A no.[1]
- comp. Natural history index-guide; index to the books in libraries, guide to things natural in the field...a super index to 2000 books printed in English, an introduction to natural history. Louisville, Ky., Natural history publishing company, 1936. 311 p. 241.7 A17
- Supplement. Louisville, Ky., Natural history publishing co., 1936-37. No. [1]-2. 25 p. 241.7 A17A
- Cowell, F. R. Brief guide to government publications. London, H. M. Stationery off. [1938] 43 p. 242.3 C83
- Harding, A. Bibliography of articles and papers on North American Indian art. Compiled by Miss Anne Harding and Miss Patricia Bolling of Sarah Lawrence college under the direction of Dr. Otto Klineberg in cooperation with Dr. George Vaillant and Dr. W. D. Strong. [Washington, 1938] 365 p. (Department of the interior. Indian arts and crafts board, Washington) 156.1 B47
- Hurley, R. J. comp. Key to the out-of-doors; a bibliography of nature books and materials. New York, The H. W. Wilson co., 1938. 256 p. 241.7 H93
- Imperial bureau of plant genetics. School of agriculture. Tobacco breeding bibliography. Cambridge, Eng., The Imperial bureau of plant genetics, School of agriculture., 1937. 36 p. Mimeographed. 241 Im732T
- Lefanu, W. R. British periodicals of medicine, a chronological list. Baltimore, Johns Hopkins press, 1938. 93 p. (Reprinted from Bulletin of the Institute of the history of medicine, v. 5, no. 8 and no. 9, October and November, 1937, and v. 6, no. 6, June 1938.) 241.9 L52
- Lisbon. Escola superior de medicina veterinária. Índice bibliográfico dos escritos produzidos pelos autores veterinários portugueses, Prefácio do professor catedrático dr. Idalino Rodrigues Gondim, actual director da biblioteca, catalogação por José Boaventura Féria, conservador bibliotecário. Lisboa, Composto e impressora, Tipografia Silvas, ltd., 1936. (Universidade técnica de Lisboa. Escola superior de medicina veterinária. "Bibliografia principal consultada para a elaboração do prefácio": p. [230]. 229 p. 241 L682
- Massachusetts. State planning board. Library. Bibliography, Massachusetts state planning board library. Addenda. Aug. 1, 1936-Jan. 1, 1938. [Boston, 1936-38] 8 nos. Mimeographed. 280.7 M383 Suppl.

BIBLIOGRAPHIES AND LISTS

## Miscellaneous (continued)

- New South Wales. Department of agriculture. Catalogue of the periodical literature filed in the Library, Department of agriculture, New South Wales. 132 p. June 1938. 241.9 M472
- Social science research council. Pacific coast regional committee. Subcommittee on seasonal agricultural labor in the West. Agricultural labor in the Pacific coast states; a bibliography and suggestions for research. [n.p., 1938] 64 p. Processed. 241.3 Sol 32
- Special libraries association. Financial group. Selected list of current foreign financial sources. Compiled by E. S. Cavanaugh for the Financial group, Special libraries association. New York, 1938. 54 p. 241.3 Sp31
- Washington (State) Agricultural experiment station, Pullman. Summary of research material on range management for Washington, prepared by Ben H. Pabols, E. H. Steffen, and Pete Stallcop. Feb. 1938. [Pullman, Wash., 1938]. 11 p. Processed. 241 W272

## U. S. Department of Agriculture

## Agricultural adjustment administration

- Publications of the consumers' counsel division. Dec. 1938. 11 p. (CS-58-rev.) 1.94 Ad422Cs

## Agricultural economics

- The soybean industry; a selected list of references on the economic aspects of the industry in the United States, 1900-1938. Compiled by Helen E. Hennefrund and Esther M. Colvin under the direction of Mary G. Lacy, Librarian of the bureau. Oct. 1938. 474 p. (Agricultural economics bibliography no. 74) 1.9 Ec73A

## Biological survey

- Available publications of the Bureau of biological survey. Compiled in the Division of public relations. Rev. Dec. 1938. 7 p. (Wildlife research management leaflet BS-4)

## Chemistry and Soils

- Lanners who have advised the Bureau of chemistry and soils that they tan leather and furs for farmers. Revised to Dec. 1938. 5 p. 1.9 C49T

## Dairy Industry

- Address list of national and international dairy associations. Nov. 1938. 2 p. (FDIM-475) 1.9 D14Ad

- Publications relating to the dairy industry. Revised to Nov. 1938. 11 p. 1.9 An55Pu

## Forest Service

- Compilation of state laws on forestry for the state of Indiana. 1938. [v.p.] Issued by the Division of state cooperation. 1.9 F7681C

- Some books about wood. Compiled by the Forest products laboratory. Revised September 1938. 3 p. (R399) 1.9 F761Sob

## Soil Conservation Service

- Publications on soil conservation and related subjects. Revised Nov.15, 1938. 9 p. 1.96 R27Pu

-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

- WALLACE, H. A. Breeding the sires of your shoats. Breeder's Gazette 103(12): 9-10. Dec. 1938.
- BRESSMAN, E. N. Special farming depends on markets. Better Crops with Plant Food 22(10): 35-37. Dec. 1938.

Bureau of Animal Industry

- DIKMANS, Gerard. Parasitic enteritis in calves. Vet. Med. 34: 28-30. Jan. 1939.
- DIKMANS, Gerard, and POELMA, J. J. Bovine genital trichomoniasis with special reference to diagnosis. Amer. Vet. Med. Assoc. Jour. 46: 362-366. Dec. 1938.
- GARLICK, G. G. Transmission of bovine venereal trichomoniasis through artificial insemination. Vet. Med. 34: 43-44. Jan. 1939.
- MOHLER, J. R. Let's control diseases and parasites of farm animals. Breeder's gazette 103(12): 18. Dec. 1938.
- WIGHT, A. E. Fighting Bang's disease. Breeder's gazette 103(12): 20. Dec. 1938.

Bureau of Agricultural Economics

- GERDES, F. L. Possibilities of benefiting cotton gin quality by cotton gin improvement. (Address) Cotton and Cotton Oil Press 39(50): 3-4, 10-11. Dec. 10, 1938.
- LOOMIS, C. P. The development of planned rural communities. (Address) Rural Sociol. Soc., Ann. Meeting. Rural Sociol. 3(4): 385-409 Dec. 1938.
- SHERMAN, C. B. (Book Review) Mixed committee of the League of Nations: Final report on the relation of nutrition to health, agriculture and economic policy, series of League of Nations publications No. II. Economic and Financial, 1937. Rural Sociol. 3(4): 477. Dec. 1938.
- Buying by grade. Pract. Home Econ. 17(1): 12-13, 28. Jan. 1939.
- Improved ginning makes better cotton. Better Crops with Plant Food 22(10): 16-18, 44-45. Dec. 1938.

Bureau of Agricultural Engineering

- CUMINGS, G. A. Machines aid farmers in adopting new fertilizer practice. Impl. Rec. 35(10): 25. Oct. 1938.
- McBIRNEY, S. W. Special sugar beet production machinery. Agr. Engin. 19: 481-482, 484. Nov. 1938.

---

\*These lists are prepared in the offices under which they are listed, with the exception of the Office of the Secretary and the Food and Drug Administration.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Biological Survey

- BASSETT, C. F. Livermeal--Is it necessary in the summer feeding of adult male foxes? Amer. Fur Breeder 11 (5): 34. Nov. 1938; Black Fox Mag. 22 (8): 28-29. Dec. 1938.
- BENNETT, L. J. Wildlife unit at Penn State. Penn State Farmer 4 (2): 22, 48. Nov. 1938.
- COTTAM, C. Nesting of an eastern kingbird in a deserted oriole nest. Condor 40: 259. Nov./Dec. 1938.
- ENDERS, R. K. The ovum of the mink (Mustela vison). Anat. Rec. 72: 469-471. Dec. 25, 1938.
- GOLDMAN, E. A. A new pocket gopher of the genus Zygogeomys. Biol. Soc. Wash. Proc. 51: 211-212. Dec. 23, 1938.
- MURIE, O. J. Four new birds for St. Lawrence Island, Alaska. Condor 40: 227. Sept./Oct. 1938.
- OBERHOLSER, H. C. The season (ornithological): Washington (D. C.) region. Bird-Lore 40: 369-370. Sept./Oct. 1938.
- SCOTT, T. G. Wildlife mortality on Iowa highways. Amer. Midland Nat. 20: 527-539. Nov. 1938.
- TAYLOR, W. P. Conservation of Texas wildlife. In Southwestern Sports Mag. p. 14, 15, 23. Nov. 1938.
- ZAHNISER, H. Indoors and out. Nature Mag. 31: 575. Dec. 1938.
- Indoors and out. Nature Mag. 32: 7. Jan. 1939.

Bureau of Chemistry and Soils

- ALLISON, F. E. and MINOR, F. W. Coenzyme R requirements of rhizobia. Soil Sci. 46: 473-483. Dec. 1938.
- BREWER, A. K. and BRAMLEY, A. A geiger counter for beta-rays. Jour. Appl. Phys. 9: 778-780. Dec. 1938.
- BROTHER, G. H. and McKINNEY, L. L. Development of soybean protein as a possible base for plastic material. British Plastics and Moulded Prod. Trader 10: 248-251. Oct. 1938.
- BROWN, H. R. Control of dust explosions in industrial plants. Mech. Engin. 60: 936-938. Dec. 1938.
- DROSDOFF, M. and MILES, E. F. Action of hydrogen peroxide on weathered mica. Soil Sci. 46: 391-395. Nov. 1938.
- FORT, C. A. (With J. I. Lauritzen of the Bureau of Plant Industry) Determination of gums in juices from frozen cane. The Sugar Bul. 17(1): 17-20. Oct. 1938.
- HEID, J. L. Processing south Texas fruits and vegetables. Texas Farming and Citricult. 15(6): 12-13. Dec. 1938.
- JACOB, K. D. Phosphate rock. The Min. Indus. 46: 459-477. 1938.
- JAMIESON, G. S. and McKINNEY, R. S. Stillingia oil. Oil & Soap, 15: 295-296. Nov. 1938.
- NAGEL, R. H., BECKER, H. C. and MILNER, R. T. The solubility of some constituents of soybean meal in alcohol-water solutions. Cer. Chem. 15: 766-774. Nov. 1938.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils (continued)

- PAINE, H. S., THURIER, F. H., and DALCH, R. T. (With W. R. Richee of the Laurel, Miss., Starch Factory) Manufacture of sweet potato starch in the United States. Jour. Indus. & Engin. Chem., 30: 1331-1348. Dec. 1938.
- PITMAN, A. L., McIAREN, J., DAVIS, F. H., and GROGGINS, P. H. Sodium chlorate production. Chem. & Metall. Engin. 45: 692-696. Dec. 1938.
- SMITH, A. K. and CIRCLE, S. J. Peptization of soybean proteins. Extraction of nitrogenous constituents from oil-free meal by acids and bases with and without added salts. Jour. Indus. & Engin. Chem. 30: 1414-1418. Dec. 1938.
- YANOVSKY, E. and KINGSBURY, R. M. Analyses of some indian food plants. Jour. Assoc. Off. Agric. Chem. 21: 648-665, Nov. 1938.

Bureau of Entomology and Plant Quarantine

- BLACKMAN, M. W. The genus Chramesus Leconte in North America (Coleoptera: Scolytidae). Jour. Wash. Acad. Sci. 28: 534-545. Dec. 15, 1938.
- BYNUM, E. K. Pseudococcobius terryi Fullaway, a Hawaiian parasite of the gray sugar cane mealybug in Louisiana. In La. Agr. Expt. Sta. Bul. 298: 27-29. Sept. 1938.
- CHISHOLM, R. D., and GOODHUE, L. D. Derris. Effects of sunlight and rain on derris deposits as studied in the laboratory. Soap 14(12): 117, 119, 131. Dec. 1938.
- CLARK, E. P. (With FRED HILLIG, Food and Drug Admin.) Concerning the Dyer method for the identification and determination of volatile fatty acids. Jour. Assoc. Off. Agr. Chem. 21: 684-688. Nov. 1938.
- CLARK, E. P. [Book review] An introduction to micro-chemical methods for senior students of chemistry. By Cecil L. Wilson, M.Sc., Ph.D., Senior assistant in chemistry, The Queen's university of Belfast. The Chemical publishing company of New York, inc., exclusive agents in North and South America. 1938. viii+196pp., with 93 diagrams. 19 x 12.5 cm. Price \$3.00. Jour. Assoc. Off. Agr. Chem. 21: 705-706. Nov. 1938.
- CLARK, E. P. Preparation of hydriodic acid suitable for alkoxyl and Friedrich-Kjeldahl nitrogen determinations. Indus. Engin. Chem. Analyt. ed. 10: 677. Dec. 15, 1938.
- GERSDORFF, W. A. Effect of the replacement of oxygen with sulphur in the cresol molecule on toxicity to goldfish. Protoplasma 31: 199-206. 1938.
- HARRIES, F. H., and HENDERSON, C. P. Growth of insects with reference to progression factors for successive growth stages. Ann. Ent. Soc. Amer. 31: 557-572. Dec. 1938.
- HARRISON, P. K. Control of the turnip aphid. In La. Agr. Expt. Sta. Bul. 298: 7-8. Sept. 1938.
- INGRAM, J. W. (With L. O. ELLISOR, La. Agr. Expt. Sta.) Borer injury to sugarcane in Louisiana in 1936. In La. Agr. Expt. Sta. Bul. 298: 17-19. Sept. 1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- JAYNES, H. A. (With L. O. ELLISOR, La. Agr. Expt. Sta.) Varieties of sugarcane in relation to sugarcane borer damage in 1936. In La. Agr. Expt. Sta. Bul. 298: 20-23. Sept. 1938.
- JONES, H. A. A titrimetric step in determining rotenone. Indus. Engin. Chem. Analyt. ed. 10: 684-685. Dec.15, 1938.
- MCDONALD, R. D. The present pink bollworm situation, a memorandum for the Statewide cotton committee of Texas. Arco Press 16(11): 1-5. Nov. 1938.
- MATHEWY, G. E. Effect of four years of berberry eradication on stem rust of cereals in Virginia. Va. Acad. Sci. Proc. (1937-1938): 41. (Abstract).
- CEFFORD, H. R., and WINSLOW, L. P. Sodium secondary-alcohol sulfates as spreaders for sodium chlorate herbicides. Northwest Sci. 12: 95-96. Nov. 1938.
- REED, L. B. Advantages of statistical methods for the practical entomologist. Fla. Ent. 11: [35]-38. Oct. 1938.
- ROARK, R. C. Additional patents relating to pest control. Pests 6(12): 24-25 Dec. 1938.
- ROARK, R. C. The early history (1348-1918) of the use of derris as an insecticide. Pests 6(12): 8-10. Dec. 1938.
- SMITH, C. E. Studies on the control of cabbage worms. In La. Agr. Expt. Sta. Bul. 298: 3-4. Sept. 1938.
- VAISELL, G. H. (With T. J. STORER, senior author and E. D. MOSES, Div. Zool. Univ. of Calif.) Protection of mountain apiaries from bears by use of electric fence. Jour. Wildlife Managt. 3: 172-173. Oct. 1938.
- WISECUP, C. B., and REED, L. B. Laboratory studies of poisoned baits for the control of the southern armyworm. Fla. Ent. 21: [39]-47. Oct. 1938.
- (To be continued).

Office of Experiment Stations

- STEECE, H. M. [and others] Report of the Committee on the bibliography of field experiments. Additions to bibliography on Standardization of field experiments. Jour. Amer. Soc. Agron. 30: 1054-1056. Dec. 1938.
- PARSS, H. P. Danger in unguarded seed importation. Phytopath. 23: 939. Dec. 1938.

Forest Service

- BLISS, S. Tree oaks of the Southwest. Jour. Forestry 36: 1243-1244. Dec. 1938.
- BOND, W. E. Sustained yield costs and returns. South. Lumberman 157: 129-133. Dec. 15, 1938.
- BULL, H. Board-foot growth after improvement cutting. South. Lumberman 157: 154-156. Dec. 15, 1938.
- CANFIELD, R. H. Semi-deferred grazing on black grama type ranges. Ariz. Stockman 3(9): 16-17. Nov. 1938.
- CHAMPION, F. J. Planned progress at the Forest products laboratory. Amer. Builder 60(12): 53-55. Nov. 1938.
- CRAFTS, E. C. Height-volume distribution in range grasses. Jour. Forestry 36: 1182-1185. Dec. 1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- CUNO, J. B. Increment-borer and core technic. Jour. Forestry 36: 1234-1236. Dec. 1938.
- DAVIS, E. M. Some machining and related properties of hackberry. South. Lumberman 157: 140-142. Dec. 15, 1938.
- DUERR, W. A., and STODDARD, C. H., Jr. Results of a commercial selective cutting in northern hemlock-hardwoods. Jour. Forestry 36: 1224-1230. Dec. 1938.
- EBERLY, H. J. Fire protection makes progress in South. Miss. Forests and Parks 4(11/12): 5. Nov.-Dec. 1938.
- Fire protection by southern land-owners. South Lumberman 157: 135-137. Dec. 15, 1938.
- ELDRIDGE, I. F. The timber wealth of the lower South. South. Lumberman 157: 115-118. Dec. 15, 1938.
- HEADLEY, R. The national forest fire situation to date. In Forestry News Digest, p. 5. Oct. 1938.
- HILL, R. R. A rotary volume table. Jour. Forestry 36: 1241-1242. Dec. 1938.
- HINE, W. R. Some observations on planting private forest land. South. Lumberman 157: 150-153. Dec. 15, 1938.
- HUGHES, B. O. Timber sales on the southern national forests. South. Lumberman 157(1985): 137-139. Dec. 15, 1938.
- KRAUCH, H. Use of protective screens in seed-pot sowing found to serve two-fold purpose. Jour. Forestry 36: 1240. Dec. 1938.
- LEBARRON, R. K., and Fox, G., and Blythe, R. H. The effect of season of planting and other factors on early survival of forest plantations. Jour. Forestry 36: 1211-1215. Dec. 1938.
- LENTZ, G. H. Forest management of privately owned lands in the South. South. Lumberman 157: 147-149. Dec. 15, 1938.
- LITTLE, S., Jr. Relationships between vigor of resprouting and intensity of cutting in coppice stands. tables. Jour. Forestry 36: 1216-1223. Dec. 1938.
- MEAGHER, G. S. Forest cover retards snow melting. Jour. Forestry 36: 1209-1210. Dec. 1938.
- NELSON, R. W. [Review] Assessment principles and terminology. Chicago, National association of assessing officers. 1937. 166p. Jour. Political Econ. 46(4): 604-605. Aug. 1938.
- PAUL, B. H. Quality control in silvicultural management. Jour. Forestry 36: 1240-1241. Dec. 1938.
- When to prune southern pine. South. Lumberman 157: 143-145. Dec. 15, 1938.
- STAMM, A. J., and Seborg, R. M. Anti-shrink treatment of wood with synthetic resin-forming materials and its application in making a superior plywood. South. Lumberman 157: 157-162. Dec. 15, 1938.
- TIEMANN, H. D. Lessons in wood technology. VI. The formation of wood. How the root and stem function. South. Lumberman 157: 221-222. Dec. 15, 1938.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- WINSLOW, C. P. Developments in plywood. illus. Timberman 40(1): 37-38.  
 Nov. 1938.  
 ----- Recent developments affecting hardwood utilization. Wood Products  
 43(11): 17-18, 22. Nov. 1938.

Food and Drug Administration

- HILLIG, F. (With E. P. CLARK, Bur. Ent. and Plant Quar.) A chemical procedure  
 for evaluating spoilage in canned fish, especially salmon and tuna fish.  
 Jour. Assoc. Off. Agr. Chem. 21: 688-695. Nov. 1938.

Bureau of Plant Industry

- ALLARD, H. A. Ecology of plants in Virginia. Commonwealth 5(12): 18-24.  
 Dec. 1938.  
 ----- Grass and carices new to Virginia. Claytonia 5: 15-16. Oct. 1938.  
 ----- The kidney bean (*Phaseolus polystachyus* (L.) BSP.) Claytonia 5:  
 17-18. Oct. 1938.  
 ----- Tragopogon dubius Scop. in Virginia. Claytonia 5: 13-14. Oct. 1938.  
 BORTHWICK, H. A., & PARKER, M. W. Photoperiodic perception in Biloxi soy  
 beans. Bot. Gaz. 100: 374-387. Dec. 1938.  
 BRANDES, E. W. [The reconstituted sugar industry of Louisiana.] Sugar Jour.  
 1(6): 9, 22. Nov. 1938.  
 CLARK, J. A. Registration of improved wheat varieties, XII. Jour. Amer. Soc.  
 Agron. 30: 1037-1042. Dec. 1938.  
 EZELL, B. D. & GERHARDT, F. Enzyme studies with fruits. Northwest Assoc.  
 Hort. Ent. & Plant Path. Abs. 4: 3. 1938.  
 GERHARDT, F. & EZELL, B. D. A method of estimating the volatile products  
 liberated from stored fruit. Northwest Assoc. Hort. Ent. & Plant Path.  
 Abs. 4: 6-7. 1938.  
 HARLEY, C. P. Relation of atmospheric conditions to enlargement rate and  
 periodicity of winesap apples. Northwest Assoc. Hort. Ent. & Plant Path.  
 Abs. 4: 6-7. 1938.  
 HEPTING, G. H. & CHAPMAN, A. D. Losses from heart rot in two shortleaf and  
 loblolly pine stands. Jour. Forestry 36: 1193-1201. Dec. 1938.  
 HOERNER, G. R. Hop production problems on the Pacific Coast. Amer. Brewer  
 71(12): 23-24. Dec. 1938.  
 HOPE, C. Calceolaria gracilis, an annual for a shady nook. Nat. Hort. Mag.  
 17: 284-286. Oct. 1938.  
 ----- Nippeastrum ambiguum Herb. Nat. Hort. Mag. 17: 289-290. Oct. 1938.  
 JOHNSON, J. Plant virus inhibitors produced by microorganisms. Science  
 88: 552-553. Dec. 9, 1938.  
 JONES, H. A. & BORTHWICK, H. A. Influence of photoperiod and other factors  
 on the formation of flower primordia in the potato. Amer. Potato Jour.  
 15: 333-336. Dec. 1938.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- KIENHOLZ, J. R. Comparative study of the apple-tree anthracnose and perennial-canker fungi. Northwest. Assoc. Hort. Ent. & Plant Path. Abs. 4: 14. 1938.
- MARSHALL, R. P. Public confidence [in tree surgery]. Arborist's News 3(12): 3-5. Dec. 1938.
- MOSS, E. G. Three rules for high quality tobacco in 1939. Progr. Farmer Car.-Va. Ed. 54(1): 9. Jan. 1939.
- MULLER, C. H. Common uses of plants for Christmas decoration. Sci. Month. 48: 74-75. Jan. 1939.
- Mistletoe in legend and in science. Sci. Month. 48: 73-74. Jan. 1939.
- RICKER, P. L. Menyanthes trifoliata L., in Virginia. (Note) Claytonia 5: 19. Oct. 1938.
- SHAMEL, A. D. Observations on horticultural crops in Mexico. Calif. Citrograph 24: 95,115. Jan. 1939. (Summary of informal discussion)
- SMITH, E. Current developments in the transportation of fruits and vegetables. Northwest Assoc. Hort. Ent. & Plant Path. Abs. 4: 4. 1938.
- SPRAGUE, R. Soil-borne cereal diseases in coastal Oregon. Northwest Sci. 12: 74-80. Nov. 1938.
- SPRAGUE, V. G. (With L. F. GRABER, Univ. Wis.) The utilization of water by alfalfa (Medicago sativa) and by bluegrass (Poa pratensis) in relation to managerial treatments. Jour. Amer. Soc. Agron. 30: 986-997. Dec. 1938.
- STANTON, T. R., MURPHY, H. C. COFFMAN, F. A., BURNETT, L. C. & HUMPHREY, H. B. New disease-resistant early oats from a Victoria-Richland cross. Jour. Amer. Soc. Agron. 30: 998-1009. Dec. 1938.
- Registration of varieties and strains of oats, VIII. Jour. Amer. Soc. Agron. 30:1030-1036. Dec. 1938.
- STEVENSON, F. J. Starch content in potatoes. Amer. Potato Jour. 15: 356-357. Dec. 1938.
- STUART, N. W. Nitrogen and carbohydrate metabolism of kidney bean cuttings as affected by treatment with indoleacetic acid. Bot. Gaz. 100: 298-311. Dec. 1938.
- SWANSON, A. F. (With H. H. LAUDE, Kans. Agr. Expt. Sta.) Barley production in Kansas. Kans. Agr. Expt. Sta. Bull. 280. 27 p. Sept. 1938.
- SWANSON, H. E. Blister rust control in the Inland empire. Northwest Assoc. Hort. Ent. & Plant Path. Abs. 4: 14. 1938.
- SWINGLE, W. T. A new taxonomic arrangement of the orange sub-family Aurantionideae. Jour. Wash. Acad. Sci. 28: 530-533. Dec. 15, 1938.
- TAYLOR, J. W. & COFFMAN, F. A. Effects of vernalization on certain varieties of oats. Jour. Amer. Soc. Agron. 30: 1010-1019. Dec. 1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Public Roads

- HAMPTON, A. G. Composite-type bridge built in North Carolina. Contractors and Engin. Mo. 35: 5, 24-25, Oct. 1938.
- HOGENTOGLER, C. A. Caminos de tierra estabilizada. Rev. de la Soc. Cubana de Ingen. 32: 63-130. Julio-Agosto 1938.
- HOGENTOGLER, C. A. and Willis, E. A. Consideraciones fundamentales en la estabilizacion del suelo. El Ingen. Cordoba 1: 31-44. July 1938.
- KELLEY, E. F. Principles and economics of subgrade stabilization with bituminous materials. Canad. Engin. 75(22): 11-12; (23), 9-10, 12. Nov. 29, Dec. 6, 1938.
- ROSE, A. C. The Michigan road. Tenn. Road Builder 9: 7, 12, 18. Dec. 1938.
- The Old Lancaster pike. The Car 18: 12-13, 16. Nov. 1938.
- The Santa Fé trail. Road Builders' News 38: 7-11. Nov. 1938.
- RUMMER, D. G. The common rock-making minerals. Roads and Streets 81: 38-42. Nov. 1938.
- TOMS, R. E. Segregation of highway traffic. (Abstract) Commonwealth Engin. 26: 142. Nov. 1, 1938.

Soil Conservation Service

- HAPP, S. C. Significance of Pleistocene deltas in the Minisink valley. Amer. Jour. Sci. 36: 417-439. Dec. 1938.
- KING, B. Helping nature balance her wildlife budget. Commonwealth 5(11): 11-13. Nov. 1938.
- REDDICK, H. E., and RAMESBERGER, J. G. Erosion control on steep irrigated slopes. Agr. Engin. 19: 531-534. Dec. 1938.

-o-o-o-o-o-o-o-o-o-o-o-o-

TRANSLATIONS RECEIVED IN THE LIBRARY

From North Carolina State College

- DOLIQUE, R., et DOLIQUE, Mme. Sur la détermination, sans ergographe, de la courbe de fatigue au cours de la pulvérisation manuelle (Determination, without an ergograph, of the fatigue curve during manual pulverization of solid bodies [trituration]). Le Travail Humain 4(4): 421-423. Dec. 1936. Translated by Pauline Smith under the supervision of S. T. Dolinger.

-o-o-o-o-o-o-o-o-o-o-o-o-

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK \*

## Alabama

- PEARSON, A. M. (With W. ROSENE, Jr.) Observations on the breeding season of the mourning dove in the South. North Amer. Wildlife Conf. Trans. 3(1938): 865-868. 1938.

## Arizona

- HILGEMAN, R. H., and SMITH, J. G. Grapefruit maturity studies in Arizona. Calif. Citrograph 24: 54-64. Dec. 1938.

## Arkansas

- KIK, M. C. Effect of methionine on casein metabolism. Soc. Expt. Biol. and Med. Proc. 39: 304-305. Nov. 1938

## California

- ALMQUIST, H. J. (With E. IECCHI and A. A. KLOSE, Univ. Calif.) Estimation of the antihæmorrhagic vitamin. Biochem. Jour. 32: 1897-1903. Nov. 1938.
- BOYNTON, W. H. (With G. M. WOODS and F. W. WOOD) Field application of hog cholera tissue vaccine. Jour. Amer. Vet. Med. Assoc. 93: 291-296. Nov. 1938.
- CHRISTIANSEN, J. E. Portable valve meter for measuring irrigation water. Agr. Engin. 19: 428. Oct. 1938.
- CRUESS, W. V. The utilization of surplus plums. Fruit Prod. Jour. and Amer. Vinegar Indus. 18(3): 72-74, 89, 91; (4): 101-105. Nov., Dec. 1938.
- ESSIG, E. O. The ornate aphid, new to North America (*Myzus ornatus* Laing). Pan-Pacific Ent. 14: 92-95. April 1938.
- FROST, H. B. Nucellar embryony and juvenile characters in clonal varieties of citrus. Jour. Heredity 29: 423-432. Nov. 1938.
- GARVER, H. L., and BROOKS, F. A. An electrical drawbar dynamometer. Agr. Engin. 19: 431-432. Oct. 1938.
- HODGSON, R. W., and CAMERON, S. H. Effects of reproduction by nucellar embryony on clonal characteristics in citrus. Jour. Heredity 29: 417-419. Nov. 1938.
- JOSLYN, M. A. (With C. L. COMAR, Univ. Calif.) Determination of acetaldehyde in wines. Indus. and Engin. Chem. (Anal. Ed.) 10: 364-366. 1938.
- MORGAN, A. F. Nutrition in pregnancy. Pub. Health Nursing 30: 576-585. Oct. 1938.
- PERRY, R. L. Fundamental concepts of air conditioning. Agr. Engin. 19: 429-430, 434. Oct. 1938.

\* Prepared in Office of Experiment Stations Library.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (continued)

- SMITH, H. S. Insect populations in relation to biological control. (Abstract) *Bul. Ecological Soc. Amer.* 19: 33. Dec. 1938.
- WEINMEYER, F. J. [and others] Report of the Committee on physics of soil-moisture, 1937-38. *Amer. Geophys. Union Trans.* 19(1938): Pt. 1. 326-342. 1938.

## Colorado

- DEEM, A. W., and THORP, F., Jr. Variation in numbers of coccidia in lambs during the feeding season. *Vet. Med.* 34: 46-47. Jan. 1939.

## Connecticut (Storrs)

- JUNGHERR, E. Wheat germ oil in the control of fowl paralysis and kindred diseases. (Abstract) *Vet. Med.* 34: 8. Jan. 1939.

## Florida

- ELLISON, E. S. Combating the forces of frost in Florida told by an authority on weather problems. *Subtrop. Gardening* 1: 14-15, 24. Nov. 1938. (In coop. with U. S. Dept. Agr.)
- EMMEL, M. W. The nature of leukemia: a new fundamental principle leading to the development of specific disease. *Jour. Amer. Vet. Med. Assoc.* 93: 316-319. Nov. 1938.
- RHOADS, A. S. Fasciation in the sporophores of *Clitocybe tabescens*. *Mycologia* 30: 681-682. Nov.-Dec. 1938.
- TISSOT, A. M. The gross anatomy of the digestive and reproductive systems of *Neupactus leucoloma* Boh. (Curculionidae, Coleoptera). *Fla. Ent.* 21: 20-27. July 1938.
- MATSON, J. R., and PREER, J. R. A new Frankliniella (Thysanoptera) from Florida. *Fla. Ent.* 21: 17-19. July 1938.
- WILSON, J. W. Notes on pamera populations on various types of plants communities in the vicinity of Plant City. *Fla. Ent.* 21: 28-30. July 1938.

## Idaho

- GILDOW, E. K., FOURT, D. L., and SHAW, A. O. Sulfanilamide in the treatment of streptococcic mastitis. *Jour. Dairy Sci.* 21: 759-766. Dec. 1938.

## Illinois

- TUCKEY, S. L., RUEHE, H. A. (With G. L. CLARK, Univ. Ill.) An x-ray diffraction analysis of casein. *Jour. Dairy Sci.* 21: 767-775. Dec. 1938.
- TUCKEY, S. L., RUEHE, H. A. (With G. L. CLARK, Univ. Ill.) An x-ray diffraction analysis of cheddar cheese. *Jour. Dairy Sci.* 21: 777-789. Dec. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Iowa

- AIKMAN, J. M. (With R. DILWORTH, Iowa State Col.) Comparison of direct and indirect methods of determining the non-available moisture content of soils. (Abstract) Bul. Ecological Soc. Amer. 19: 35. Dec. 1938.
- BENNETT, L. J., and HENDRICKSON, G. O. Censusing quail in early fall. Jour. Wildlife Managt. 2: 169-171. Oct. 1938.
- BENNETT, L. J., and HENDRICKSON, G. O. Censusing the ringneck pheasant in Iowa. North Amer. Wildlife Conf. Trans. 3(1938): 719-723. 1938.
- BENNETT, L. J. Redheads and ruddy ducks nesting in Iowa. North Amer. Wildlife Conf. Trans. 3(1938): 647-650. 1938.
- DRAKE, C. J., (With H. M. HARRIS) Concerning Mexican Gerridae (Hemiptera). Pan-Pacific Ent. 14: 73-75. April 1938.
- DRAKE, C. J. Mexican Tingitidae (Hemiptera). Pan-Pacific Ent. 14: 70-72. April 1938.
- ERRINGTON, P. L. The great horned owl as an indicator of vulnerability in prey populations. Jour. Wildlife Managt. 2: 190-205. Oct. 1938.
- ERRINGTON, P. L., and STODDARD, H. L. Modifications in predation theory suggested by ecological studies of the bobwhite quail. North Amer. Wildlife Conf. Trans. 3(1938): 736-740. 1938.
- GREEN, W. E. The food and cover relationship in the winter survival of the ring-necked pheasant, *Phasianus colchicus torquatus* Gmelin, in northern Iowa. Iowa State Col. Jour. Sci. 12: 285-314. April 1938.
- HENDRICKSON, G. O. Winter food and cover of Mearns cottontail. North Amer. Wildlife Conf. Trans. 3(1938): 787-793. 1938.
- HENDRICKSON, G. O. (With C. SWAN). Winter notes on the short-eared owl. Ecology 19: 584-588. Oct. 1938.
- LONG, H. F., and HAMMER, B. W. Examination of butter with the Burri smear culture technic. Iowa State Col. Jour. Sci. 12: 441-450. July 1938.
- McNUTT, S. H. Brucella infection in swine. (Abstract) Vet. Med. 34: 9. Jan. 1939.
- McNUTT, S. H. (With F. BLOHM and J. A. BARGER, U. S. Dept. Agr.) Incidence of *Trichomonas foetus* infection in Iowa. Vet. Med. 34: 40-42. Jan. 1939.
- MARTIN, J. H. Cytological and morphological features associated with impotency of pollen of the Winesap apple. Iowa State Col. Jour. Sci. 12: 397-404. April 1938.
- PRILL, E. A., and HAMMER, B. W. A colorimetric method for the microdetermination of diacetyl. Iowa State Col. Jour. Sci. 12: 385-395. April 1938.
- SHUBERT, M. L., and AIKMAN, J. M. Soil moisture content of eroded soils as influenced by contour furrowing. (Abstract) Bul. Ecological Soc. Amer. 19: 35. Dec. 1938. (M. L. Shubert, Iowa State Col.)
- STANTON, T. R., MURPHY, H. C., COFFMAN, F. A., BURNETT, L. C., and HUMPHREY, H. B. New disease-resistant early oats from a Victoria-Richland cross. Jour. Amer. Soc. Agron. 30: 998-1009. Dec. 1938. (In coop. with U. S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Kansas

- ACKERT, J. E., TODD, A. C., and TANNER, W. A. Growing larval *Ascaridia lineata* (Nematode) in vitro. *Amer. Micros. Soc. Trans.* 57: 292-296. July 1938.
- PINE, W. H. Debt-carrying capacity of farm property in relation to cash income. *Jour. Amer. Soc. Farm Managers and Rural Appraisers* 2: 59-63. Nov. 1938.
- SWANSON, C. O. The colloidal structure of dough as a means of interpreting quality in wheat flour. *Bakers Tech. Digest* 13: 105-107. Dec. 1938. Same article appeared in *Cereal Chem.* 15(5) Sup.: 17-31. Sept. 1938.
- WORKING, E. B. A balanced circuit for electrometric titration. *Indus. and Engin. Chem. (Anal. Ed.)* 10: 397-398. July 15, 1938.

Maine

- BAILEY, R. M. Summary of progress of apple investigations at Highmoor farm by the Department of Biology, 1936. *Maine State Pomol. Soc. Ann. Rpt.* 1936-1938: 7-10. 1938.
- CHUCKA, J. A. (With B. E. BROWN, U. S. Dept. Agr.) Magnesium studies with the potato. *Amer. Potato Jour.* 15: 301-312. Nov. 1938.

Massachusetts

- FULLER, J. E. Some public health aspects of food. *Jour. Amer. Dietet. Assoc.* 14: 412-416. June-July 1938.
- GUBA, E. F. Fungicides and apple scab control. *Maine State Pomol. Soc. Ann. Rpt.* 1936-1938: 43-45. 1938.
- GUBA, E. F., and RACKEMANN, F. M. Species of *Cladosporium* on tomato and the allergic response in man as an aid to their identification. *Mycologia* 30: 625-634. Nov.-Dec. 1938.
- MITCHELL, E. S., and COOK, G. M. Effect of riboflavin and thiamin chloride upon the cataractogenic action of galactose. *Soc. Expt. Biol. and Med. Proc.* 39: 325-326. Nov. 1938.
- WHITCOMB, W. D. Our insect problems. *Maine State Pomol. Soc. Ann. Rpt.* 1936-1938: 26-27. 1938.

Michigan

- FRYER, C. S. A microscopic test for quality of milk. (Abstract) *Vet. Med.* 34: 12. Jan. 1939.
- FABIAN, E. W. (With E. A. JOHNSON, Mich. State Col.) Cytological changes produced in pickles. (Abstract) *West. Canner and Packer* 30: 26. Aug. 1938.

Minnesota

- ALDERMAN, W. H., and HARALSON, F. E. Annual report of the Minnesota Fruit Breeding Farm. *Minn. Hort.* 66: 183-184. Nov. 1938.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Minnesota (continued)

- CHILD, A. M. Recent developments in meat cookery research. Jour. Amer. Dietet. Assoc. 14: 623-628. Oct. 1938.
- EIDE, C. J. Raspberry diseases in the season of 1938. Minn. Hort. 66: 209. Dec. 1938.
- HUNT, E. M., and HUTCHINS, A. E. A comparative test of some wilt resistant cabbage varieties. Minn. Hort. 66: 211-213. Dec. 1938. (E. M. Hunt, Univ. Minn.)
- JESNESS, O. B. [and others] Rural and agricultural zoning. Natl. Conf. on Planning Proc. (1938): 92-104. 1938.
- PRITCHARD, A. E. The genus *Hodophylax* James, with a description of *basingeri*, new species (Diptera, Asilidae). Pan-Pacific Ent. 14: 129-131. July 1938.
- RILEY, W. A. The role of insects and allied forms in the transmission of diseases due to filterable viruses. Minn. Med. 21: 817-821. Dec. 1938.
- STAMBERG, O. E., and BAILEY, C. H. Dry milk solids for cake baking. Bakers Tech. Digest 13: 103-104, 107. Dec. 1938. (O. E. Stamborg, Univ. Minn.)
- STAMBERG, O. E., and BAILEY, C. H. Relationship of mixing speed to dough development. Cereal Chem. 15: 739-748. Nov. 1938.
- STOCKELBACH, L. S., and BAILEY, C. H. The amino acid distribution in the proteins resulting from the thermal fractionation of wheat gluten. Cereal Chem. 15: 801-812. Nov. 1938.

## Mississippi

- ROBERT, J. C. Role of the experiment stations: what agricultural research is doing for tung industry. South Conservationist and Amer. Tung Oil 5: 12-14. Dec. 1938.

## Missouri

- GOMEZ, E. T., and TURNER, C. W. Effect of anol and dihydrotheelin on mammogenic activity of pituitary gland of rabbits. Soc. Expt. Biol. and Med. Proc. 39: 140-142. Oct. 1938.
- REID, W. H. E. Increasing consumer preference for ice cream. (Abstract) Ice Cream Rev. 22: 29. Dec. 1938.
- TURNER, C. W. Factors influencing persistency of lactation. Dairy Goat Jour. 16: 3-4. July 1938.

## Montana

- PEPPER, J. H. The effect of certain climatic factors on the distribution of the beet webworm (*Loxostege sticticalis* L.) in North America. Ecology 19: 565-571. Oct. 1938.
- PETERSON, W. H. An appraisal of 4-H club benefits. Rural Sociol. 3: 303-308. Sept. 1938.
- TUNNICLIFF, E. A. A study of *Actionomyces necrophorus* in soil cultures. Jour. Infect. Diseases 62: 58-65. Jan.-Feb. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Nebraska

- SANDSTEDT, R. M., and BLISH, M. J. Maltose fermentation activators as affecting baking. Cereal Chem. 15: 788-794. Nov. 1938.
- SANDSTEDT, R. M. The rapid determination of moisture. Cereal Chem. 15: 813-815. Nov. 1938.
- SANDSTEDT, R. M. The relation of alpha- and beta-amylases to the evaluation of malts in flour technology. Cereal Chem. 15: 832-835. Nov. 1938.
- SANDSTEDT, R. M. Report of the 1937-38 committee on methods of analysis. Cereal Chem. 15: 812-813. Nov. 1938.

Nevada

- CHURCH, J. E. [and others] Report of the Committee on snow, 1937-38. Amer. Geophys. Union Trans. 19(1938): pt.1. 281-314. 1938.

New Hampshire

- POTTER, G. F. The effects of thinnings on the current crop and on regularity of bearing in the apple. Maine State Pomol. Soc. Ann. Rpt. 1936-1938. 52-55. 1938.

New Jersey

- BLAKE, M. A. Facts about the bacterial leaf spot of the peach. N. J. State Hort. Soc. News 19: 1067. Nov. 1938.
- BLAKE, M. A. How early should the tillage of orchards begin? N. J. State Hort. Soc. News 19: 1056. Nov. 1938.
- BLAKE, M. A. Peach identification. N. J. State Hort. Soc. News 19: 1060. Nov. 1938.
- BLAKE, M. A. Root aphid and false little peach are old troubles. N. J. State Hort. Soc. News 19: 1060. Nov. 1938.
- BLAKE, M. A. Some effects of the spring weather upon peach. N. J. State Hort. Soc. News 19: 1062-1063. Nov. 1938.
- BLAKE, M. A. The temperature factor in fruit production. N. J. State Hort. Soc. News 19: 1047-1049. Nov. 1938.
- CLARK, J. H. Red stele disease - a new disease of the strawberry. N. J. State Hort. Soc. News 19: 1050. Nov. 1938.
- FARHAM, R. B. Greenhouse roses: importance of soil treatment. Florists' Exch. 91: 8. Dec. 3, 1938.
- HEHELEKIAN, H., and SCHULHOFF, H. B. Studies on the clarification stage of the activated sludge process. IV. Preliminary notes on the clarifying organisms in activated sludge. Sewage Works Jour. 10: 43-48. Jan. 1938.
- INGOLS, R. S. Studies on the clarification stage of the activated sludge process. V. Ammonia uptake. Sewage Works Jour. 10: 49-59. Jan. 1938.
- REECE, R. P. Effect of estrogen injections on lactogen content of female rat pituitary. Soc. Expt. Biol. and Med. Proc. 39: 77-80. Oct. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New Jersey (continued)

- TIEDJENS, V. A. Nutrient deficiencies lower quality of lima bean seed. N. J. State Hort. Soc. News 19: 1052-1053. Nov. 1938.
- UMBREIT, W. W. The growth of actinomycetes on different varieties of potatoes. Amer. Potato Jour. 15: 349-355. Dec. 1938.

## New York (Cornell)

- BAUERNFEIND, J. C., SCHUMACHER, A. E., HODSON, A. Z., Norris, L. C., and HEUSER, G. F. A new factor required for growth and reproduction in the domestic fowl. Soc. Expt. Biol. and Med. Proc. 39: 108-111. Oct. 1938. (J. C. Bauernfeind, A. E. Schumacher and A. Z. Hodson, Cornell Univ.)
- GORDON, R. E., and STARK, C. N. The toxicity of young cells of *Salmonella paratyphi* A and B when lysed by bacteriophage. Jour. Infect. Diseases 62: 45-47. Jan.-Feb. 1938. (E. E. Gordon, Cornell Univ.)
- HAMILTON, W. J., Jr. The conservation of the nation's fur resources. North Amer. Wildlife Conf. Trans. 3(1938): 518-523. 1938.
- HAMILTON, W. J., Jr. Research needs in mammalogy. North Amer. Wildlife Trans. 3(1938): 695-698. 1938.
- HAMILTON, W. J., Jr. Small mammals as a factor in the control of forest insects. (Abstract) Bul. Ecological Soc. Amer. 19: 34. Dec. 1938.
- MADER, E. O., RAWLINS, W. A., and UDEY, E. C. The interaction of bordeaux mixture spray, sulfur and pyrethrum dusts on potato yields and insect control. Amer. Potato Jour. 15: 337-349. Dec. 1938.
- RAHN, O. Lactic acid formation by muscles of scorbutic guinea pigs. Soc. Expt. Biol. and Med. Proc. 39: 334-336. Nov. 1938.
- ROSS, H. E. Physical state of fat and losses in centrifuging. Milk Plant Mo. 27: 30-31. Dec. 1938.
- SANDERSON, D. Problems of rural life focused by the depression. Rural Sociol. 3: 258-266. Sept. 1938.

## New York (State)

- CONN, H. J., and WOLFE, G. E. Flagella staining as a routine test for bacteria. Jour. Bact. 36: 517-520. Nov. 1938.
- FENTON, F., and TRESSLER, D. K. Losses of vitamin C during the cooking of certain vegetables. Jour. Home Econ. 30: 717-722. Dec. 1938.
- PEDERSON, C. S., and TRESSLER, D. K. Flash pasteurization of apple juice. Indus. and Engin. Chem. 30: 954-959. Aug. 1938.

## North Carolina

- METCALF, Z. P. Zoogeographic distribution of some Homoptera. (Abstract) Bul. Ecological Soc. Amer. 19: 32. Dec. 1938.
- RANKIN, W. H. Fertilizer-lime and crop rotation experiments, Piedmont Experiment Station, Statesville, N. C. Com. Fert. 57: 8-10. Nov. 1938.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## North Carolina (continued)

- WELLS, B. W. A new forest sub-climax: the salt spray climax of Smith Island, North Carolina. (Abstract) Bul. Ecological Soc. Amer. 19: 35-36. Dec. 1938.
- WILLIS, L. G. Borax in fertilizers. Com. Fert. 57: 26-29. Dec. 1938.

## Oregon

- EIKARSEN, A. S. Life history and management of antelope in Oregon. North Amer. Wildlife Conf. Trans. 3(1938): 381-387. 1938.
- SMITH, F. H. Reduction divisions in triploid Impatiens. Amer. Jour. Bot. 25: 651-654. Nov. 1938.
- SPRAGUE, R. The status of Septoria graminum. Mycologia 30: 672-678. Nov.-Dec. 1938. (In coop. with U. S. Dept. Agr.)

## Pennsylvania

- DAHLE, C. D. An antioxidant for dairy products. South Dairy Prod. Jour. 24: 36, 39. Dec. 1938.
- Same article appeared in Dairy Indus. 3: 358-359. Sept. 1938.
- DEEN, J. L. Methods of studying browse preferences of deer. North Amer. Wildlife Conf. Trans. 3(1938): 256-260. 1938.

## Tennessee

- ALLEN, P. W. Food preservation technology imitates nature. Milk Plant Mo. 27: 51-52, 54-55. Dec. 1938.
- MacINTIRE, W. H., HARDIN, L. J., and OLDHAM, F. D. Behavior of a new source of available magnesium for phosphatic fertilizers. Indus. and Engin. Chem. 30: 651-659. June 1938.

## Texas

- HAMILTON, C. H. An experimental farm rental agreement. Rural Amer. 16: 7-8. Nov. 1938.
- HEID, J. L. Processing south Texas fruits and vegetables. Texas Farming and Citriculture 15: 12-13. Dec. 1938.
- HENSEL, R. L. Perfect-flowered buffalo grass (*Euchloe dactyloides*). (Note) Jour. Amer. Soc. Agron. 30: 1043-1044. Dec. 1938.
- JACKSON, A. D. Grain sorghum profits through hogs. Texas Farming and Citriculture 15: 15. Dec. 1938.
- MANGELSDORF, P. C., and REEVES, R. G. The origin of maize. Natl. Acad. Sci. Proc. 24: 303-312. Aug. 1938.

## Utah

- RASMUSSEN, D. I. (With I. A. GRIMER) Life history and management studies of the sage grouse in Utah, with special reference to nesting and feeding habits. North Amer. Wildlife Conf. Trans. 3(1938): 852-864. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

## Virginia

- COOK, H. T.; and TUGENT, T. V. A Fusarium disease of spinach. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 43. 1938. (Va. Truck)
- EHEART, J. F. The effect of fertilization on the composition and yield of pasture grasses - a nine year study. [Abstract] Va. Acad. Sci. Proc. 1937-1938: 63. 1938.
- HENDERSON, R. G. Influence of temperature on the development of the tobacco downy mildew disease. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 40-41. 1938. (Va. Truck)
- HENDERSON, R. G. Methods of sterilizing planted soil. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 45. 1938.
- HOFMANN, F. W. Importance of peach breeding for Virginia. Va. Fruit 26: 14, 16-17. Dec. 1938.
- HOLDAWAY, C. W. Calcium, phosphorus, and magnesium requirements in the nutrition of lactating cows. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 63. 1938.
- McBRYDE, M. An improved technique for demonstrating rust hyphae and haustoria in unsectioned leaf tissue. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 45. 1938.
- MATTHEWS, E. M. Tobacco through three centuries. Commonwealth 5: 17-20. Sept. 1938.
- PRATT, A. D. Prevention of destruction of vitamin C during pasteurization by carbon dioxide. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 64. 1938.
- SHEAR, G. M. The effect of soil reaction on the growth and chemical composition of annual garden flowers. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 43. 1938.
- UNDERHILL, G. W. Some notes on a leafminer in holly. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 46-47. 1938.
- WALKER, H. G., JONES, D. W., and ANDERSON, L. D. The European corn borer in eastern Virginia. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 41. 1938. (Va. Truck) (D. W. Jones, U. S. Dept. Agr.)
- WALKER, H. G., and ANDERSON, L. D. Two new pests of strawberries, Acrolophus arcanellus Clemens and A. plumifrontellus Clemens, on the eastern shore of Virginia. [Abstract?] Va. Acad. Sci. Proc. 1937-1938: 40. 1938. (Va. Truck)

## Wisconsin

- AHLGREN, H. L., BOHSTEDT, G., and AAMODT, O. S. Problems in evaluating pastures in relation to other crops. Jour. Amer. Soc. Agron. 30: 1020-1029. Dec. 1938.
- BECK, H. H., JACKSON, H. C., and WECKEL, K. G. Irradiation of milk: factors affecting antirachitic responses. Indus. and Engin. Chem. 30: 632-639. June 1938.
- BERGER, J., JOHNSON, M. J., and PETERSON, W. H. The proteolytic enzymes of bacteria. II. The peptidases of some common bacteria. Jour. Bact. 36: 521-545. Nov. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Wisconsin (continued)

- BRINK, R. A., and COOPER, D. C. Partial self-incompatibility in *Medicago sativa*. Natl. Acad. Sci. Proc. 24: 497-499. Nov. 1938.
- CARLSON, E. R. Sheep vermicide - a stabilized concentrate. Vet. Med. 34: 48-49. Jan. 1939.
- ELLIKER, P. R., and FRAZIER, W. C. Factors affecting the activity and heat resistance of Swiss cheese starter cultures. I. Influence of time and temperature of incubation. Jour. Dairy Sci. 21: 801-813. Dec. 1938.
- EVANS, R. J., and PHILLIPS, P. H. Skeletal storage of fluorine in the growing rat fed bone meals of varying fluorine content. Soc. Expt. Biol. and Med. Proc. 39: 188-191. Oct. 1938.
- LARSON, R. H.; ALBERT, A. R., and WALKER, J. C. Soil reaction in relation to potato scab. Amer. Potato Jour. 15: 325-330. Nov. 1938.
- LEOPOLD, A. Wildlife research - is it a practical and necessary basis for management? North Amer. Wildlife Conf. Trans. 3(1938): 42-45. 1938.
- POTTER, V. R., and ELVEHJEM, C. A. A cyclic reaction scheme illustrating carbohydrate metabolisms. Jour. Chem. Educ. 15: 89-91. Feb. 1938.
- SPRAGUE, V. G., and GRABER, L. F. The utilization of water by alfalfa (*Medicago sativa*) and by bluegrass (*Poa pratensis*) in relation to managerial treatments. Jour. Amer. Soc. Agron. 30: 986-997. Dec. 1938.
- TRUOG, E., (With R. J. JONES, Univ. Wis.) Fate of soluble potash applied to soils. Indus. and Engin. Chem. 30: 882-885. Aug. 1938.
- TRUOG, E. Putting soil science to work. Jour. Amer. Soc. Agron. 30: 973-985. Dec. 1938.

- o - o - o - o - o - o -

OBERLY MEMORIAL PRIZE

The Oberly Memorial Prize, in memory of Eunice Rockwood Oberly, late librarian of the Bureau of Plant Industry, U. S. Department of Agriculture, is awarded once in two years to the compiler submitting the best bibliography in the field of agriculture and related sciences. Only American citizens are eligible. The amount of this prize is approximately \$100, or the interest on the Oberly Memorial Fund of \$1,050. This fund is administered by the American Library Association.

The eighth award, for 1938-39, will be made in the spring of 1939. Those interested in submitting bibliographies in competition for the prize should prepare four copies (either typewritten or printed) and forward them to the chairman of the committee before March 1, 1939. They should be clearly marked "Submitted in competition for the Oberly Memorial Prize, 1938-1939."

The present membership of the committee, in addition to the Chairman, is as follows: Paul Alcorn, Ralph Minthorne Brown, Edna Clara Noble, Caroline E. Reinke, and Frances Warner.

Cora L. Feldkamp, Chairman,  
Eunice Rockwood Oberly Memorial Fund Committee,  
Office of Experiment Stations Library,  
U. S. Department of Agriculture, Washington, D. C.

- o - o - o - o - o - o -



-----  
NOTES ON PERIODICALS

New, Changed, and Discontinued

- American horse breeder. Boston. Temporarily suspended with v. 53, no. 41, Nov. 6, 1935.
- American quarterly on the Soviet union. The American Russian institute, inc., 56 West 45th Street, New York City. 8° v.1, no. 1, Apr. 1938. Together with the Bulletin on the Soviet union (semi-mo.) \$2.00 per year.
- Archiv für klassifikatorische und phylogenetische entomologie. Wien. Ceased with bd.1, hft. 2, 1930.
- Archives internationales des brucelloses. Secrétariat de la rédaction: Dr. Jos. Jullion, Joyouse (Ardèche) Franco. quar. il. 8° année 1, no. 1, Jan. 1938. Franco, 30 fr. un an. Etranger: tarif no. 1, 60 fr.; no. 2, 50 fr.; no. 3, 40 fr.
- Argentine republic. Dirección de agricultura. División de la producción tabacalera. Cartilla para el cultivo del tabaco. Instrucciones circular. Pasco Colon 922-3 Piso - Buenos Aires. irreg.? 4° No price. Mimeographed.
- Australia. Bureau of census and statistics. Monthly review of business statistics. Canberra, F.C.T. 8° no. 2, Nov. 1937. No price given.
- The Australian milk and dairy products journal. 42 Bridge St., Sydney, Australia. mo. 4° il. v. 5, no. 1, Jan. 1, 1938. 3/- for 3 months; 5/6 for 6 months; or 10/6 per annum.
- La Betterave et les industries agricoles. Paris. Suspended publication with année 46 (no.600), Jan. 1936.(?)
- Colonización y agricultura [monthly] La Paz, Bolivia. (Organo oficial del Ministerio del ramo en Bolivia [i.e. del Ministerio de agricultura, colonización e inmigración]) changed to GEO; agricultura, colonización y ramas anexas [quarterly] La Paz, Bolivia. (Organo oficial del Ministerio de agricultura, regadio y colonización) Title changed with no. 15 (año 4) 1er. trimestre de 1938; organo oficial... changed with no. 17, 3d trimestre, 1938.
- Ecuador. Camara de agricultura de la primera zona, Quito. Rivista... mo. il. 4° año 1, no. 1, Sept. 1937; año 2, no. 1, July 1938; (no gap; suspension during period) un año, \$5.00 (Title of año 1, no. 1: Bol-etin...)
- Egyptian agricultural review (Revue agricole égyptienne) [Cairo?] Issued by Egyptian Ministry of agriculture, Extension service section. mo. plates. 4° v. 16, no. 1, Jan. 1938. In Arabic, with summaries of leading articles in English or French.
- Forest crusader. Kentville, Nova Scotia. Ceased, Nov. 1934.(?)
- Gaceta tabacalera. Vélez Caviedes 120, Apartado 105, Pinar del Río, Cuba. 3 times a mo. f° año 1, no. 1, Nov. 25, 1938. \$1.75 un semestre; \$3.00 un año.
- Honduras agrícola. Tegucigalpa, D. C., Honduras. mo. il. 4° año 1, no.1, July 1938. No price.
- Kentucky nature. Kentucky nature association, Madisonville, Ky. quar. il. 4° v.1, no.1, Fall 1938. \$1.00 a year.

NOTES ON PERIODICALS

New, Changed, and Discontinued  
(continued)

- The Kentucky sportsman. Box 17, Somerset, Ky. quar. il. 4<sup>o</sup> v. 1, no. 1, Aug. 1938. Official publication, League of Kentucky sportsmen. 25 cents per year to members of clubs affiliated with the League; 50 cents per year to others.
- The Larvacide log. Innis, Speiden & company, 117-119 Liberty Street, New York, N. Y. quar. il. 4<sup>o</sup> v. 1, no. 1, Feb. 1938. No price. Processed.
- Lloydia; a quarterly journal of biological science. Official publication of the Lloyd library of natural history, Cincinnati, Ohio. (309 West Court St.) il. 8<sup>o</sup> v. 1, no. 1/4, Dec. 1938. \$3.00 a year.
- Mid west dahlia news. Madison, Wis. Changed to Dahlia digest with Dec. 1938.
- Morocco. Office chérifien de contrôle et d'exportation. Relevé des exportations contrôlées... mo. f<sup>o</sup> July 1938. Processed. No price.
- New Zealand honeybee. 298 Remuera Road, Auckland, New Zealand. mo. 8<sup>o</sup> v. 1, no. 10, May 20, 1938. 3/6, post free.
- New photo-miniature. New York. Ceased with old ser., v. 18, no. 210 (new ser., no. 5), Oct. 1936.(?)
- New York academy of sciences. Transactions... Revived with ser. 2, v. 1, no. 1, Nov. 1938.
- Nouvelles archives italiennes de biologie. Pisa. Changed to Revue des archives italiennes de biologie with tome 1, fasc. 2, Oct. 15, 1938.
- Prager tierärztliches archiv. Neutitschein. Changed to Fachblatt der sudetendeutschen tierärzte with jahrg. 18, hft. 9/10, Sept./Oct. 1938.
- Quarterly journal of economics and political science. Tientsin. Last issue, v. 5, no. 3, Apr. 1936. Temporarily suspended because of war.
- Revista da veterinaria. Belem, Para, Brazil. mo. il. 8<sup>o</sup> anno 1, no. 12, Dec. 1937. Distribuição gratuita.
- Revista militar de medicina veterinaria. Rua Moncorvo Filho, 34, Rio de Janeiro, Brasil. mo.? il. 8<sup>o</sup> anno 1, num. 1, Jan. 1938. Assignatura annual 12\$000.
- San Francisco. Chamber of commerce. Grain trade association. Stocks of grain in warehouses and on wharves. Author changed to San Francisco grain exchange with Jan. 1, 1938. Ceased with Feb. 1, 1938.
- South Dakota. State college of agriculture and mechanic arts. Extension service. Extension farm-home news. Brookings, S. Dak. f<sup>o</sup> mo. v. 5, no. 11, Nov. 1938. Replaces its News letter and incorporates its Farm economic review and outlook and South Dakota agriculturist. No price.
- The Southwestern sports magazine. 214 North 6th Street, Waco, Texas. mo. il. 4<sup>o</sup> v. 1, no. 1, Aug. 1937, (prospectus number [July 1937]). Official publication Texas wildlife federation and Texas game breeders association. \$1.50 a year.
- Subtropical gardening and fruit growing. Post Office Box 1948, Orlando, Fla. mo. il. 4<sup>o</sup> v. 1, no. 1, Oct. 1938. 1.50 a year.
- Tierras y aguas. Organo del Departamento de tierras y aguas. Bogota, Colombia. mo.? f<sup>o</sup> ano 1, num. 4, Oct. 1938. No price given.
- "The Weekly" fruit and produce news. New York. Ceased with v. 2, no. 2, Jan. 12, 1935.(?)

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1938 \*

## Arkansas

GRAY, D. T., and RANDALL, C. C.    Annual report of the Extension service, College of agriculture, University of Arkansas, U. S. Department of agriculture, cooperating, December 1, 1937 to November 30, 1938.  
(Ark. Agr. Col. Ext. Circ. 418.) 524 Post Office Bldg., Little Rock, 1938.

## California

JOSLYN, M. A., and CRUESS, W. V.    Home and farm preparation of pickles.  
(Calif. Agr. Col. Ext. Circ. 37, rev.)    Berkeley, 1938.

## Colorado

JANS, F. C.    Agricultural program building in Colorado.    Colo. Agr. Col. Ext., Fort Collins, 1938.  
MORRISON, J. E.    Coordination of agricultural programs in Colorado.  
Colo. Agr. Col. Ext., Fort Collins, 1938.

## Connecticut

The agricultural outlook for 1939. Demand and prices.    (Conn. State Col. Ext. Econ. Digest no. 72.) Storrs, 1938.  
Farm family living p. 593-594.

## Idaho

BENSON, E. T., and HOBSON, K.    1939 agricultural outlook for Idaho.  
(Idaho Univ. Agr. Col. Ext. Circ. 62.) Moscow, 1938.  
Farm family living p. 8-9.

## Illinois

RUEHE, H. A.    Operation of the cream-buying station.    (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 487.) Urbana, 1938.  
BLAIR, J. C.    Agricultural outlook for Illinois, 1939.    (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 488.) Urbana, 1938.  
Illinois farm family living, p. 11-13.

## Iowa

1939 planning issue.    The farm outlook.    Report no. 11.    Iowa State Col. Ext., Ames, 1938.

---

\* Prepared in the Office of Experiment Stations Library



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1938  
(continued)

Maryland

McPHEETERS, M. The pattern recipe. (Md. Univ. [Agr.] Ext. Bul. 50, rev.)  
College Park, 1938.

Massachusetts

VONDELL, J. H. Market poultry. (Mass. State Col. Ext. Leaflet 11, rev.)  
Amherst, 1938.

KLEIN, G. T. Turkey production. (Mass. State Col. Ext. Leaflet 140,  
rev.) Amherst, 1938.

SANCTUARY, W. C. Poultry housing. (Mass. State Col. Ext. Leaflet 145  
[rev.]) Amherst, 1938.

HOLDSWORTH, R. P. The farm forest: Cultivating and improving the farm  
forest through planned use. (Mass. State Col. Ext. Leaflet 147, rev.)  
Amherst, 1938.

ENSMINGER, M. E. Sheep and wool. Part I. Sheep production. (Mass. State  
Col. Ext. Leaflet 179, p. 4-30.) Amherst, 1938.

KENNEDY, J. H., jr. Sheep and wool. Part II. Wool. (Mass. State Col.  
Ext. Leaflet 179, p. 30-52.) Amherst, 1938.

ENSMINGER, M. E. Horse production. (Mass. State Col. Ext. Leaflet 180.)  
Amherst, 1938.

Massachusetts farm outlook for 1939. (Mass. State Col. Ext. Farm Econ.  
Facts v. 11, no. 9.) Amherst, 1938.

Outlook for farm family living, p. 3.

Michigan

EBINGER, D. G. Electrical projects for 4-H clubs. Farm electricity for  
4-H clubs, second year. (Mich. State Col. Ext. Club Bul. 37.)  
East Lansing, 1938.

Minnesota

ROE, H. B., and NEAL, J. H. Farm drainage practice. (Minn. Univ. Agr.  
Ext. Bul. 149, rev.) University Farm, St. Paul, 1938.

CLELAND, S. B. A well planned farm business. (Minn. Univ. Agr. Ext. Bul.  
155 [rev.]) University Farm, St. Paul, 1938.

DANKERS, W. H., and KOLLER, E. F. A survey of cooperative creameries in  
Watonwan county, 1937. (Minn. Univ. Agr. Ext. Pamphlet 54.)  
University Farm, St. Paul, 1938.

Mimeographed

ROE, H. B. The outlet problem in farm drainage. (Minn. Univ. Agr. Ext.  
Agr. Ext. News Letter no. 80.) University Farm, St. Paul, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1938

## Minnesota (continued)

- DENT, J. G. Belts and belt fasteners. (Minn. Univ. Agr. Ext., Agr. Engin. News Letter no. 81.) University Farm, St. Paul, 1938.
- KOLLER, E. F. The Minnesota creamery industry, 1934-37. (Minn. Univ. Agr. Ext. Farm Business Notes no. 191, p. 1-2.) University Farm, St. Paul, 1938.

## Missouri

- WESTVELD, R. H., and Bennitt, R. Improving food and cover for wildlife on Missouri farms. I. Trees and shrubs. (Mo. Agr. Col. Ext. Circ. 393.) Columbia, 1938.
- A revision of Ext. Cir. 348.
- Carl, F. L. Canning meats, fish and chicken. (Mo. Agr. Col. Ext. Circ. 394.) Columbia, 1938.
- Adapted from U. S. D. A. Bul. no. 1762. "Home canning of fruits, vegetables and meats."

## New York

- JOHNSTONE-WALLACE, D. B. Pasture improvement and management. (N. Y. Agr. Col. (Cornell) Ext. Bul. 393.) Ithaca, 1938.
- BLANFORD, C. The milk supply for the New York market. (N. Y. Agr. Col. (Cornell) Ext. Bul. 396.) Ithaca, 1938.
- COLLINGWOOD, G. H., and COPE, J. A. Maple sugar and sirup. (N. Y. Agr. Col. (Cornell) Ext. Bul. 397.) Ithaca, 1938.
- MATTHEWS, A. R., and WOOD, T. E. What foods to eat and why; foods and nutrition handbook for 4-H club members. (N. Y. Agr. Col. (Cornell) Jr. Ext. Bul. 58.) Ithaca, 1938.

## North Carolina

- BLAIR, E. C. Green fields in winter. (N. C. Agr. Col. Ext. Circ. 225.) State College Station, Raleigh, 1938.
- WILLIAMS, C. F. Culture of the Cameron dewberry. (N. C. Agr. Col. Ext. Circ. 226.) State College Station, Raleigh, 1938.
- Williams, C. F. The Dixie red raspberry. (N. C. Agr. Col. Ext. Circ. 227.) State College Station, Raleigh, 1938.
- GAITHER, E. W., comp. Inoculating soils to grow legumes. (N. C. Agr. Col. Ext. Circ. 228.) State College Station, Raleigh, 1938.
- Blue mold (downy mildew) of tobacco and its control. (N. C. Agr. Col. Ext. Circ. 229.) State College Station, Raleigh, 1938.
- Prepared cooperatively by Committee composed of representatives from Duke University, the Agricultural experiment stations and Extension services of Virginia, North Carolina, and South Carolina and the North Carolina Department of Agriculture.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1938  
(continued)

## Ohio

- ASCHBACHER, M., and others. Food for healthful living. (Ohio Agr. Col. Ext. Bul. 197.) Columbus, 1938.  
References, p. 23.
- The agricultural outlook for 1939. (Ohio Agr. Col. Ext. Timely Econ. Inform. for Ohio farmers no. 131.) Columbus, 1938.  
Farm family outlook, p. 9-10.

## Oklahoma

- 4-H sheep manual. (Okla. Agr. Col. Ext. Circ. 198, rev.) Stillwater, 1938.  
Club Ser. 33.  
References, p. 8.
- GREENWOOD, T. The comfortable bedroom. (Okla. Agr. Col. Ext. Circ. 303 [rev.]) Stillwater, 1938.
- CERVENY, C. C. Building healthy babies. (Okla. Agr. Col. Ext. Circ. 361.) Stillwater, 1938.

## Oregon

- The agricultural outlook for Oregon in 1939. (Oreg. Agr. Col. Ext. Agr. Situation and Outlook, 1938 Circ. no. 11, p.1-2,) Corvallis, 1938.)  
1939 outlook for wheat was given in Circ. 8, Aug. 1938, 1939 outlook for poultry, dairy and livestock, in Circ. 9, Sept. 1938 and the outlook for other farm products will be given in Dec. 1938, Jan, Feb., March and April 1939.

## Washington

- RUSSELL, E., and HADDOX, C. S. Preservation of farm products by freezing. (Wash. State Col. Ext. Bul. 230, (rev.) Pullman, 1938.  
Timely Economic Information for Washington Farmers. no. 32. Nov. 1938. Pullman.  
The outlook for farm family living, p. 3.

## Wisconsin

- Farm tenancy: What should be done about it? (Wis. Agr. Col. Ext. Econ. Inform. for Wisconsin Farmers v. 9, no. 11.) Madison, 1938.
- Why farm tenancy? (Wis. Agr. Col. Ext. Econ. Inform. for Wisconsin Farmers v. 9, no. 10.) Madison, 1938.



SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

of the U. S. Department of Agriculture  
received during December 1938, exclusive of bibliographies\*  
and current issues of serials.\*\*

## Agricultural Adjustment Administration

Potatoes: Average acreage, 1938 acreage, 1938 allotments and goals, and tentative 1939 allotments and goals, Dec. 28, 1938. 2 p. 1.42 Ad4Po

Prices of locally grown vegetables at important eastern and midwestern markets, by months, 1933-38. Nov. 1938. 38 p. Issued by the Division of marketing and marketing agreements. General crops section. Economic analysis unit. 1.94 Sp3Pri

## Bureau of Agricultural Economics

Agricultural finance. Vol. 1, no. 2. November 1938. Semi-annual review of current developments and research in field of farm credit. 112 p. 1.9 Ec78Af

Agricultural outlook charts. 1939. Feed crops and livestock. 1938. 19 p. 1.9 Ec70co

Agricultural outlook charts. 1939. Fruits and nuts. October 1938. 56 p. 1.9 Ec70fr

Agricultural outlook charts. 1939. Potatoes and truck crops. October 1938. 36 p. 1.9 Ec70poc

Alabama cotton; estimated acreage, yield, and production 1928-1937. By counties. Office of the agricultural statistician. Montgomery, Alabama, Oct. 1938. Issued by the Division of agricultural statistics. 11 p. 1.9 Ec733A1

The citrus industry of Palestine. By M. William Hazen. December 1938. 96 p.(F.8.-78) 1.9 Ec752

Farm mortgage recordings [for various states]. Georgia, Dec. 1938, 9 p.; Minnesota, Nov. 1938, 9 p.; Missouri, Nov. 1938, 10 p.; Nebraska, Dec. 1938, 9 p.; Oklahoma, Dec. 1938, 9 p. 1.9 Ec78Fmr

Farm real estate taxes in the United States, 1930-37. Issued Nov. 30, 1938. 2 p. 1.9 Ec78Farm

---

\*Bibliographies included in general list of bibliographies on page 17.

\*\*For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

## Bureau of Agricultural Economics (continued)

Milk equivalent of production of manufactured dairy products by states, 1937.  
Issued Nov. 1938. 3 p. 1.9 Ec7Mil

Present status of state legislation in the United States as it relates to the  
standardization of fresh fruits and vegetables. By Raymond L. Spangler.  
Dec. 1938. 34 p. 1.9 Ec741Ps

Revised procedure for making "milling tests" on California-Japan rough rice.  
Effective Jan. 2, 1939. Issued Dec. 15, 1938. 3 p. Chart. 1.9 Ec72Pro

Tobacco market review-Type 13. South Carolina and North Carolina border  
markets. 1938-39 season. Issued Nov. 28, 1938. 4 p. 1.9 Ec714T Type 13

U. S. standards for canning tomatoes (1938). Issued Dec. 15, 1938. 3 p.  
1.9 Ec74Tc

U. S. standards for shelled pecans (effective Nov. 1, 1938) Issued Oct. 1,  
1938. 7 p. Col. chart. 1.9 Ec74Pecs

Virginia cotton; estimated acreage, yield, and production 1928-1937. By  
counties. Office of the Agricultural statistician. Richmond, Va., Oct.  
1938. Issued by the Division of agricultural statistics. 6 p. 1.9  
Ec733V

The world sugar situation. 1938. August 1938. 44 p. 1.9  
Ec752Ws

## Bureau of Animal Industry

Progress report of the Regional research laboratory for the improvement of  
swine through breeding. Ames, Iowa. June 30, 1938. 34 p. 1.9 An523P

State participation in the National poultry improvement plan. Dec. 1, 1938.  
Issued March 1938; revised December 1938. 5 p. (A.H.D. no. 25 revised)  
1.9 An52Ah

Technique for conducting the tube agglutination test for Bang's disease.  
Revised November 1938. 4 p. 1.9 An529T

## Bureau of Chemistry and Soils

Cleaning and painting turpentine cups. By A. R. Shirley. [1938]  
3 p. (MC-43) 1.9 C49Mc

Control of dust explosions in industrial plants. By Hylton R. Brown. Chem-  
ical research division. [Before] American society of mechanical engineers,  
New York, Dec. 1938. 7 p. 1.9 C4922Co

-----  
SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Chemistry and Soils (Continued)

Lessening the Christmas tree fire hazard. By Martin Leatherman. Dec. 1938.  
3 p. (MC-42). 1.9 C49Mc

Uses of turpentine and rosin. [1938] 5 p. (MC-40) 1.9 C49Mc

Commodity Exchange Administration

Farmers' elevators and futures markets. By Paul Mehl. 1938. 15 p. (C.E.A.-17). A talk given before District meetings of the Iowa Farmers' elevators association, Nov. 7 to 11, 1938. 1.9 C73C

Speculation versus hedging in country elevator operation. By H. S. Irwin. Talk before District meetings of the Farmers' grain dealers association of Iowa, Oct. 16-21, 1938. 14 p. (C.E.A.-18) 1.9 C73C

Office of Experiment Stations

The problem of division of time between experiment station and college work of staff members doing both research and teaching. By R. W. Trullinger. 6 p. 1938. Presented before the fifty-second annual convention of the Association of land-grant colleges and universities, Nov. 1938, Chicago, Ill. 1.9 Ex6Pd

Extension Service

Agricultural economics extension work in 1937. Prepared by Agricultural economics section. Division of cooperative extension. Nov. 1938. 26 p. (Extension service circular No. 292). 1.9 Ex892Esc

Situations, problems, and interests of unmarried rural young people 16-25 years of age-South Carolina. Survey of six counties, 1937. By Dan Lewis, Barnard D. Joy, Theo. Vaughan. Nov. 1938. 37 p. (Extension service circular No. 293). 1.9 Ex892Esc

Forest Service

American woods. Southern cypress (*Taxodium distichum*). By H. S. Betts. October 1938. 9 p. 1.9 F76Am

American woods. Western hemlock (*Tsuga heterophylla*). By H. S. Betts. August 1938. 7 p. 1.9 F76Am

The first season's operations of the Otsego forest products cooperative association, inc. By C. R. Lockard. 1938. Delivered at 3d session of Northeastern forest research council, New Haven, Conn., Dec. 1, 1938. Issued by Northeastern Forest experiment station. 8 p. Processed. (Hectographed). 1.9 F7622F



SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

## Forest Service (continued)

LG-4 - 16. Legislation relating to town and community forests. [1938]  
 Extracts of state statutes relating to county, municipal, and community forests. 1.9 F7681Lg

Wood preservatives; revised Nov. 1938. Issued by Forest products laboratory, Madison, Wisconsin. 11 p. 1.9 F761Woo

## Home Economics

Patterns for children's clothing. Designed by United States Bureau of home economics. Revised November 1938. [5] p. 1.9 H754Pa

## Bureau of Plant Industry

Cooking quality in rice and a preliminary method for testing nursery samples. By N. E. Jodon and J. Mitchell Jenkins. [Washington, Dec. 1938]  
 Cooperative investigations of Division of Cereal crops and diseases, U. S. Bureau of Plant industry and Louisiana Agricultural experiment station conducted at the Rice experiment station, Crowley, La. 3 p.  
 1.9 P6917Cq

[Lists of] Soil surveys [of various states]. Alabama, [4] p.; Indiana, 3 p.; Kentucky [2] p.; South Carolina [3] p. 1.9 So32

- o - o - o - o - o - o -

LOST BOOKS

The following books cannot be found. It will be appreciated if anyone having information in regard to them will notify the Loan Desk of the main Library:

Botanische Zeitung. v. 20, 1862. 450 B655

Gray, L. C., and Thompson, E. K. History of agriculture in the southern United States. v. 2 (copy 3). 30.9 G79

Industrial and engineering chemistry. Analytical ed. v. 1-2, 1929-30. 381 J825

Journal für Landwirtschaft. v. 5, 1857. 18 J825

Symposium on prehistoric agriculture. (University of New Mexico Bulletin. Anthropological series, v. 1, no. 5) 30.9 N642

Jest, C. J. Reading list on papermaking materials. ed. 2, 1928. 302.9 752, no. 23, ed. 2

-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-

INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS

## Communication VII

By Sigmund von Frauendorfer, Secretary-Treasurer

The 14th International Conference for Documentation was held at Oxford and London, September 21-26, 1938. The Secretary-Treasurer of the International Committee of Agricultural Librarians attended this important meeting in his capacity as Chief Librarian of the International Institute of Agriculture. As the program of the conference included many topics relating to international collaboration and specialized documentation, the following summary may be of interest.

A great number of reports and communications were presented to the conference. The topics and discussions were under the following nine sections:

1. The making of abstracts from periodical literature
2. Application of indexing systems
3. The practical application and use of bibliographies
4. The state of bibliography in various countries and in various subjects
5. Photographic and other technical methods in their application to bibliographical problems
6. The teaching of documentation
7. Theories of cataloging and indexing systems
8. The organization of information services
9. Tools for library co-operation

Practical propositions concerning international cooperation by means of rationalization and standardization were made by Dr. Prinzhorn (a member of our Committee and representative from Danzig), who gave in his report an excellent summary of national and international standards for libraries, books and periodicals. Among the standards already officially adopted may be mentioned those for the abbreviation of periodical titles, for the unification of bibliographical citations, and for the "Ordnungsleiste", which is a sort of abbreviated recapitulation of the data essential for putting in order periodical numbers. The problem of standardization of the method of transcription of Slavonic and other uncommon alphabets was dealt with in the reports of Mr. Damiani (Rome) and Mr. Wharton (London). Another member of our Committee, Mr. Lancaster-Jones, representative of Great Britain and Keeper of the Science Museum Library, contributed a most interesting and exhaustive paper on the subject "Evaluation of scientific and technical periodicals" as a basis of the selection for libraries. Various representatives appreciated the importance of establishing lists or repertories of documentation centers either on a national or international basis. Mr. Donker-Duyvis (Netherlands), Honorary Secretary of the International Federation for Documentation, read an excellent paper on this problem and made a very flattering reference to the recently formulated questionnaire of the Library of the International Institute of Agriculture which was sent to all members of our Committee and has served as a basis for the compilation of the world list of agricultural libraries to

INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS  
(continued)

be published shortly. This questionnaire was reproduced as a supplement to Mr. Donker-Duyvis's report.

Among the reports bearing directly on agricultural interests may be mentioned the one by Dr. S. v. Frauendorfer entitled "International co-operation in the field of agricultural documentation".\* The conclusions of this report relate so closely to the program of our Committee that it has seemed advisable to give below the full text.

1. In each country there should be a large central agricultural library which would function as the representative organ for coordinating agricultural documentation within its own country and to which the relations with foreign countries could be entrusted. Countries which have not yet a national central library specializing in agriculture should create such a library.
2. Agricultural libraries should gradually adopt uniform methods in cataloging, classification, transliteration, alphabetical filing, and in other points of library technique.
3. Professional organizations of agricultural librarians, such as exist already in two countries (the United States and Czechoslovakia) should be established in all countries. They should be affiliated with the International Committee of Agricultural Librarians already organized.
4. Careful study should be given to the possibilities of establishing standards for professional training of agricultural librarians and bibliographers. As to the very important problem of standardization and rationalization of bibliographical and abstracting work in agriculture, the following suggestions are made:
5. An international title bibliography of agricultural science (books and articles of scientific value and of international interest) should be begun by expanding the "International Bibliography of Agricultural Economics" which is compiled at the Library of the International Institute of Agriculture, to cover the technical branches of agriculture also.
6. Complete national title bibliographies of agricultural science should be begun or, where they already exist, further developed. Their scope would be to supplement the international bibliography by including material of local interest.
7. Abstracting services should be coordinated in such a way that the international literature of each important branch of agriculture would be covered by a good abstracting journal in each of the main languages. These abstracting journals should work in mutual contact in order to avoid duplication of work wherever feasible and every effort should be made to include the literature of less-known languages and minor countries.

---

\*A reprint of the complete report is available in the Library of the U. S. Department of Agriculture (call number 240 F861 )



INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS  
(continued)

Further points closely related to library work as well as to bibliographical work are the following:

8. The agricultural press of most countries, scientific as well as popular, needs urgently to be reorganized, coordinated, and in many instances, reduced. Greater uniformity as to size, arrangement of title, table of contents, indexes, author's summaries, etc., is desirable. Of great importance is the problem of providing valuable articles with abstracts in other languages or giving at least a translation of the tables of contents or individual titles, especially for journals written in the less-known languages.
9. The often valuable material relating to agriculture contained in the daily press should be utilized in a systematic way by establishing national clipping files and possibly an international center of the same kind.

In connection with this report, the conference formulated and adopted the following resolutions:

1. To compile and publish international surveys of current bibliographies and abstracting journals relating to special subjects.
2. To publish a world list of libraries and documentation centers dealing with special subjects.
3. To publish comprehensive international lists of catalogs of periodicals dealing with special subjects.
4. To establish international contact between libraries and documentation centers dealing with a given subject in order to rationalize bibliographical and abstracting services and to avoid duplication of work.

The world list of agricultural libraries previously mentioned is now in press. The proofs for the different countries were sent to the members of our Committee, all of whom gave their valuable help and collaboration by correcting the proofs and adding supplementary information.

Agricultural librarians will be interested to learn that the International Institute of Agriculture has decided to publish, beginning with October 1938, a quarterly bibliographical bulletin entitled "International Bibliography of Agricultural Economics", run on the same lines as the "Internationale Bibliographie des agrarökonomischen Schrifttums" which has been published since 1933 in the German periodical "Berichte über Landwirtschaft" (Paul Parey, Berlin). The Bibliography will include the titles of all books, bulletins, pamphlets, and periodical articles dealing with economic and social aspects of agriculture, including all bibliographical data necessary for the proper indication of the publication. Among the various subjects treated are agricultural policy and economics, comprising land economics, colonization and settlement, credit, cooperation, insurance,

INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS

(continued)

marketing, taxation, statistics; also farm organization and management, appraisal and accounting. Agricultural history and geography, administration and legislation, rural education and rural sociology are also dealt with. The titles are carefully arranged by subjects based on the classification scheme published by the International Institute of Agriculture in 1934. An alphabetical author index will appear at the end of each volume.

For the information of readers, there is appended a new and complete list of the members of the International Committee of Agricultural Librarians.

Members of the Committee who have not yet paid their membership fees are kindly requested to send the sum of two Swiss Francs (fees for 1938 and 1939) to the Secretary-Treasurer, Dr. S. von Frauendorfer, Chief Librarian, International Institute of Agriculture, Villa Umberto I, Rome, Italy.

## List of Members

## President:

Barnett, Miss Claribel R. Librarian, United States Department of Agriculture, Washington, D. C.

## Secretary-Treasurer:

Frauendorfer, Dr. S. von. Librarian, International Institute of Agriculture, Rome, Italy.

## Executive Committee (in addition to the President and Secretary-Treasurer):

Abb, Gustav. Direktor der Universitätsbibliothek Berlin, Germany.

Lancaster-Jones, E. Keeper of the Science Museum Library, London.

Mila, Prof. L. Gerant du Service de Bibliographie de la Société des Agriculteurs de France, Paris.

Australia

Acher, Miss E. Library of the Council of Industrial and Scientific Research, East Melbourne, Victoria.

Belgium

Crabus, G. Bibliothécaire de l'Institut Agronomique de l'Etat, Gembloux.

Bulgaria

Stranski, Prof. Ivan. Faculté Agronomique de l'Université de Sofia.

Canada

Shaw, Miss Anna L. Librarian, Department of Agriculture Main Library, Ottawa.

Czechoslovakia

Bostik, Dr. Jan. Bibliothécaire de l'Académie Tchèque de l'Agriculture, Prague.

Danzig

Prinzhorn, F. Bibliothekar der Technischen Hochschule, Danzig.

Denmark

Lohmann, Max. Librarian, Kgl. Veterinær Landbohøjskole, København.

INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS

## List of Members (continued)

France

Mila, Prof. L. Gerant du Service de Bibliographie, Société des Agriculteurs de France, Paris.

Payon, Mlle Aline. Bibliothèque de la Faculté des Droits, Paris.

Germany

Abb, Gustav. Direktor der Universitätsbibliothek, Berlin.

Mührer, Richard. Bibliotheksrat, Bibliotheksverwaltung der Landwirtschaftlichen Hochschule, Berlin.

Great Britain

Lancaster-Jones, E. Keeper of the Science Museum Library, London.

Akenhead, David. Deputy Director, Imperial Bureau of Horticulture and Plantation Crops, East Malling Research Station, East Malling, Kent.

Italy

Masci, Prof. Guglielmo. Bibliotecario, Ministero dell'Agricoltura e delle Foreste, Rome.

Frauendorfer, Dr. Sigmund von. Bibliothécaire de l'Institut International d'Agriculture, Rome.

Japan

Hatsutarô, Tanahashi. Chief Librarian, College of Agriculture, Kyoto Imperial University, Kyoto.

Netherlands

Kooiman, Dr. R. L. Librarian, Landbouwhoogeschool, Wageningen.

Norway

Johnson, Arne. Librarian, Norges Landbrukshoiskole, Aas.

Palestine

Ginsburg, Dr. S. Librarian, Jewish Agency Agricultural Research Station, Rehovot.

Poland

Lewicki, Dr. S. Biblioteka Panstwowego Instytutu Naukowego Gospodarstwa Wiejskiego, Pulawy (Woj. Lubelskie).

Sweden

Hebbe, Dr. Per. Librarian, Landbrukshögskolan, Uppsala.

Union of South Africa

Kritzinger, S. J. Librarian, Department of Agriculture and Forestry, Pretoria.

Union of Socialist Soviet Republics

Gouroff, Prof. P. J. Directeur de la Bibliothèque de l'Académie "Lenin" des sciences agricoles, Moscow.

United States of America

Barnett, Miss Claribel R. Librarian, U. S. Department of Agriculture, Washington, D. C.

Brown, Charles H. Librarian, Iowa State College, Ames, Iowa.

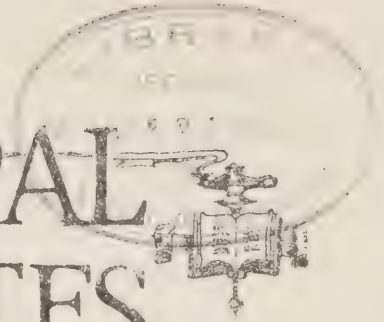


REPORT ON AGRICULTURAL RESEARCH IN GREAT BRITAIN

The full title of this report, which was published by P E P (Political and Economic Planning), is "Report on agricultural research in Great Britain, a survey of its scope, administrative structure and finance, and of the methods of making its results known to farmers, with proposals for future development." P E P is an "independent non-party group, consisting of more than a hundred working members who are by vocation industrialists, distributors, officers of central and local government, scientists, doctors, university teachers and so forth." This report on agricultural research "is the work of the Research Group of P E P, which is engaged in a survey of the use of organised science in the United Kingdom at the present time. Agricultural research was selected first for detailed treatment, primarily because the material for a thorough examination is more fully available in this than in most other branches of research, which are to be surveyed later in broader terms. The present report is also intimately connected with the work of PEP on agriculture, but although interrelations have been taken into account it was impracticable here to consider questions of agricultural policy." The aim of this report is "to examine the adequacy of the provision made for agricultural research in Great Britain, how it is administered, and to what extent the present machinery for getting the results of research across to the farmer is successful. It does not discuss the technical details or problems of the sciences in question, being concerned rather with the quality and quantity than with the actual content of the research. The report first considers the administrative and institutional structure of agricultural research in Great Britain, and next deals with finance and personnel. An account is then given of the provisions for disseminating the results of agricultural research, and a brief survey is made of current research work in Great Britain. In Chapter VII there is a short description of the agricultural research set-up in Northern Ireland, the United States of America, and Denmark. The concluding chapter makes a number of criticisms of the existing structure in Great Britain, with suggestions for its amendment and reconstruction." In other words, the report "shows where all the agricultural advisers in Great Britain are to be found, the nature of the advice they give, which problems are being studied at each of the leading institutions, what publications summarise the latest scientific results in each department of agriculture, and what are the advantages and disadvantages of agricultural research work as a career. It explains in detail how much is spent by each of the bodies concerned and compares agricultural research in Great Britain with the methods used in other countries. As a reference work it will have a constant and permanent value not only to research institutions and libraries, but to all who have to use, or advise others how to use, scientific knowledge in connection with the land. Like all P E P reports the work is published without names on it, but it is based on inside knowledge...and a number of the most eminent authorities on the subject have helped to ensure its accuracy."

Copies are obtainable from P E P, 16 Queen Anne's Gate, London, S. W. 1, for 8s. 6 d. (postage 6d. extra), or through any bookseller.

61 La  
Copy 4



# AGRICULTURAL LIBRARY NOTES

## CONTENTS

Vol. 14

February 1939

No. 2

Principal Library Accessions.....	53
Bibliographies and Lists.....	63
Translations received in the Library.....	64
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	65
Articles by State Agricultural Experiment Stations.....	77
List of State Extension Publications.....	97
Notes on Periodicals.....	104
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....	105
Hooker Scientific Library.....	110

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.





# AGRICULTURAL LIBRARY NOTES

Vol. 14

February 1939

No. 2

## PRINCIPAL LIBRARY ACCESSIONS\*

### Agricultural Cooperation

- BOYD, H. New breaking; an outline of cooperation among the western farmers of Canada. Toronto, Dent, 1938. 280.259 B69
- CANADA. DEPARTMENT OF AGRICULTURE. MARKETING SERVICE. ECONOMICS DIVISION. Agricultural co-operation in Canada, by A. E. Richards. Ottawa, 1938. Processed. 280.2 C1622
- KESKUSOSUUSLIIKE HANKKIIJA r. l., Helsingfors. The Hankkija wholesale co-operative society ltd. Helsinki, Pellervo society, 1938. 280.29 K47H 1938

### Agricultural Economics

- BALL, C. R. Federal, state, and local administrative relationships in agriculture. Berkeley, 1938. (Publications of the Bureau of public administration, University of California) 281.010 B21
- BANCO AGRICOLA DEL PERU. SECCIÓN TÉCNICA. Tierra y población en el Perú. por R. A. Ferrero. Lima, 1938. 281.168 B222T
- BARRÉ, C. La ligue agricole depuis sa fondation jusqu'à nos jours. Chalon-sur-Marne, Imprimerie-librairie de l'Union républicaine, 1938. 281.9 B27
- BENTE, H. Landwirtschaft und bauerntum. Berlin, Junker und Dünhaupt, 1937. 281.175 B44
- BRADFORD, L. A. and WOODS, R. H. Farm management. Chicago, Lippincott, 1938. 281 B72
- GANGULI, B. Trends of agriculture and population in the Ganges valley. London, Methuen, 1938. 281.182 G152
- YODER, F. R. Introduction to agricultural economics. New York, Crowell, 1938. (Crowell's social science series, ed. by S. Eldridge.) 281.12 Y7 1938

### Agricultural Implements and Machinery

- CULPIN, C. Farm machinery. London, Lockwood, 1938. (Lockwood's agricultural and horticultural handbooks). 58 C89
- JASNY, N. Research methods on farm use of tractors. New York, 1938. (Columbia university. Studies in the history of American agriculture, no. 5.) 58 J31

### Agriculture. Study and Teaching

- DAVENPORT, E. and NOLAN, A. Agricultural arts. Champaign, Garrard 1938. 30.2 D27

---

\* Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS  
(Continued)

Biography

- ELY, R. T. Ground under our feet; an autobiography. New York, Macmillan, 1938. 120 E19
- JENSEN, H. Crh. D. Reventlows liv og gerning. Udgivet af det Kgl. danske landhusholdningsselskab i anledning af 150-aars jubilaaet for stavnsbaandets løsning. København, Frederiksberg, 1938. 120 R32

Biology

- BRADLEY, J. H. Patterns of survival. New York, Macmillan, 1938. 443 B72
- KINSEY, A. C. New introduction to biology. Chicago, Lippincott, 1938. 442 K62
- MEXICO. SECRETARÍA DE EDUCACIÓN PÚBLICA, DEPARTAMENT DE ENSEÑANZA TECNICA INDUSTRIAL Y COMERCIAL. Escuela nacional de ciencias biológicas, Mexico, Instituto politécnico nacional, 1938. (Mexico. Instituto politecnico nacional. Anuario. 5) 442.9 M572
- SCHEINFELD, A. and SCHWELTZER, M. You and heredity. New York, Stokes, 1939. 443 Sch2

Botany

- BROOKS, M. G. The pteridophytes of West Virginia. Morgantown, 1938. (Contribution no. 3 from the Herbarium of West Virginia University; West Virginia University bulletin ser. 39, no. 2. Aug. 1938) 461.2 B79
- HAUPT, A. W. An introduction to botany. New York, McGraw-Hill, 1938. (McGraw-Hill publications in the botanical sciences) 463 H29
- INTERNATIONAL INSTITUTE OF INTELLECTUAL COOPERATION. Etudes et recherches sur les phytohormones. Première réunion organisée en collaboration avec l'Union internationale des sciences biologiques, Paris, 1 et 2 octobre 1937. [Geneva?] Société des nations, 1938. 463.36 In8
- MILLER, E. C. Plant physiology. Ed. 2. New York, McGraw-Hill, 1938. (McGraw-Hill publications in the botanical sciences) 463.3 M61 Ed.2
- PRIESTLEY, J. H. and SCOTT, L. I. An introduction to botany with special reference to the structure of the flowering plant. London, Longmans, Green, 1938. 463 P932

Chemistry

- HEDGES, C. C. and BRANTON, H. R. The application of chemistry to agriculture. New York, Appleton-Century. 1938. (The Century chemistry series) 395 H35
- NORRIS, J. F. and YOUNG, R. C. A textbook of inorganic chemistry for colleges. Ed.2. New York, McGraw-Hill, 1938. (International chemical series, J. F. Norris, Consulting editor) 386 N79T Ed.2
- SLIMMER, R. H. A. Organic and bio-chemistry. Ed.6. London, Longmans, Green, 1938. 386.2 P79Pr Ed.6

-----  
PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Commerce

- CANADA. DEPARTMENT OF AGRICULTURE. Canadian seed potatoes in South American countries, by H. S. Arkell. Ottawa, Canada, 1938. 286.375 C16
- HISSENHOVEN, P. van. Le mouvement des grains dans le monde. Ed. 5. Bruxelles, Editions Ceres. 1938. 286.359 H62 Ed.3
- INSTITUTE OF AMERICAN MEAT PACKERS, Chicago. DEPARTMENT OF PUBLIC RELATIONS AND TRADE. Reference book of the meat packing industry. Chicago, 1938. 50 In72R 1938
- INTERNATIONAL SUGAR CONFERENCE, London, 1937. International agreement regarding the regulation of production and marketing of sugar. [London? 1937] Have also Protocol annexed to the agreement. 286.365 In8
- JOINT COMMITTEE OF INQUIRY INTO THE ANGLO-ARGENTINE MEAT TRADE. Report. London, H. M. Stat. Off., 1938. (Gt. Brit. Parliament. Papers by command. Cmd. 5839) 286.350 J66

Concrete

- TROXELL, G. E. and DAVIS, H. E. An introduction to the making and testing of plain concrete. Berkeley, Calif., 1938. 299 T75

Dairying, Dairy Products

- BURKE, A. D. Practical manufacture of cultured milks and kindred products. Milwaukee, Wis., Olson publishing co., 1938. 44 B914P
- JACKSON, H. C. and others. Dairying; problems in production, marketing, and management. Chicago, Lippincott, 1938. 44 J13
- NEW YORK (State). ATTORNEY-GENERAL'S OFFICE. A report on the milk industry of the state of New York with particular reference to the New York metropolitan area. New York, Case press, 1938. 280.344 M483
- NEW YORK (State). DEPARTMENT OF AGRICULTURE AND MARKETS. Report regarding the audit of milk dealers and cooperative associations. Albany, Lyon, 1938. (Legislative document (1938) No. 100.) 281.344 M4822
- NEW YORK (State) LEGISLATURE. COMMITTEE TO INVESTIGATE THE MILK CONTROL LAW. Report. March 22, 1937. Albany, Lyon, 1937. (Legislative document (1937) No. 81.) 280.344 M485
- OLSON, T. M. Elements of dairying. New York, Macmillan, 1938. 44 O182
- TINLEY, J. M. Public regulation of milk marketing in California. Berkeley, University of California press, 1938. 280.344 T49

Domestic Animals

- BLOOD-HORSE. Sires of American thoroughbreds. Lexington, Ky., 1938. 42 B62
- CANTERBURY AGRICULTURAL COLLEGE OLD STUDENTS' ASSOCIATION (Incorporated). The C. H. Hunter Brown essay competition. Lincoln, New Zealand, 1938. 45 C163



PRINCIPAL LIBRARY ACCESSIONS

## Domestic Animals (continued)

- HAMILTON, SIR I. S. M. Belted Galloways. London, Vinton, 1938. 43 H18 1938  
 JESPERSEN, J. Svineavl og svinehold. Ed 2. København, Bangs forlag, 1937.  
 46 J49 Ed.2  
 RUNNELLS, R. A. Animal pathology. Ames, Iowa, Collegiate press, 1938.  
 41 R873 Rev. ed.

## Economics, Statistics

- ASHBURN, K. E. and others. Conservation as a national problem. Dallas, Texas, The George F. and Cra Nixon Arnold foundation, Southern Methodist University, 1938. (Arnold foundation studies in public affairs. v. 7, no. 1) 279 As3  
 ASSOCIATION OF SUGAR PRODUCERS OF PUERTO RICO. Growth of business activity in Puerto Rico and underlying causes, by Dudley Smith. Washington, 1938. 280.14 As7  
 BORSODI, R. Prosperity and security. New York, Harper, 1938. 280 B643  
 BURTON, H. The development of Australian industry. Prepared for the British commonwealth relations conference, 1938. [n.p.] Australian institute of international affairs, 1938. (Australian supplementary papers, Ser. B, no. 1) Processed. 280.1992 B95  
 CUBA'S three year plan, or Social, economic reconstruction plan. Plan de reconstrucción economico-social (P.R.E.S.) Havana, Cuba, Cultural, s.a. [1937?] 280.14 C89  
 ELLSWORTH, P. T. International economics. New York, Macmillan, 1938. 280 E152  
 HARRIS, H. L. Australia's national interests and national policy. Melbourne, Melbourne university press in association with Oxford university press, 1938. (Australian institute of international affairs. Australian national preparatory paper). 280.1992 H24  
 INTERNATIONAL INSTITUTE OF AGRICULTURE. BUREAU OF STATISTICS. Methodological studies in agricultural statistics. No. 1. Rome, Colombo, 1938. 251 In84Em  
 NEUBERGER, R. L. Our promised land. New York, Macmillan, 1938. 280.003 N39  
 PHELPS, H. A. Contemporary social problems. Rev. ed. New York, Prentice-Hall, 1938. 280.12 P51 Rev. ed.  
 PULLERITS, A. Estland; 20 Jahre selbständigkeit. Tallinn, Tallinna eesti kirjastus-ühisuse trükikoda, 1938. 280.170 P96Es  
 ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS. INFORMATION DEPARTMENT. The Baltic states; a survey of the political and economic structure and the foreign relations of Estonia, Latvia, and Lithuania. London, Oxford university press, 1938. 280.170 R81  
 STAMP, SIR J. C. Christianity and economics. New York, Macmillan, 1938. 280 St24Ch  
 WALLACE, H. A. Paths to plenty. Washington, National home library foundation, 1938. (Earl foundation lectures). 280 W156P  
 WHELFORD, F. H. Needed population research. Prepared under the auspices of the Population association of America. Lancaster, Pa., Science press, 1938. 280.12 W57

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Engineering

- BISHOP, C. T. Structural design. New York, Wiley, 1938. 290 B54  
CATERPILLAR TRACTOR COMPANY. Roads canals and embankments with caterpillar equipment. Peoria, Ill., Caterpillar tractor co., 1938. 290 C28  
WATERMAN, E. L. Elements of water supply engineering. Ed. 2. New York, Wiley, 1938. 292 W31 Ed.2

Entomology

- ATKINS, E. W. & HAWKINS, K. How to succeed with bees. Ed. 10. Watertown, Wis., Jansky, 1937. 424 At5 Ed. 10  
CHOPARD, L. La biologie des orthoptères. Paris, Lechevalier, 1938. Encyclopedie entomologique. Série A, 20) 429 C45B  
FINKE, K. Die grossschmetterlinge Südhannovers besonders der umgebung Göttingens, aufgestellt nach dem katalog Staudinger - Rebel vom jahre 1901. Herausgegeben von der Göttinger Vereinigung naturforschender freunde. Göttingen, Hüntzschel, 1938. 430 F49

France, Credit

- BARCLAYS BANK, (Dominion, Colonial, and overseas), London. A banking centenary; 1836-1936. Plymouth, Mayflower press, 1938. 284.9 B232  
CONSUMER CREDIT INSTITUTE OF AMERICA, Inc. ADVISORY COMMITTEE. Consumer credit and its uses. Editor: C. O. Hardy; coauthors: F. H. Clarkson, C. W. Coulter and others. New York, Prentice-Hall, 1938. 284 C764  
FOWLER, J. F. Revenue bonds. New York, Harper, 1938. 284 F822  
METZ, S. S. New money for new men. London, Macmillan, 1938. 284 M562  
SCHWARTZ, C. H. Financial study of the joint stock land banks: Takoma Park, Md., Washington college press, 1938. 284.2 Sch92

Food, Drug and Cosmetic Legislation

- DUNN, C. W. Federal food, drug, and cosmetic act. New York, Stechert, 1938. 389.5 D92F  
DUNN, C. W. Wheeler-Lea Act. New York, Stechert, 1938. 389.5 D92W

Food, Nutrition

- BALL, Mrs. V. K. Child nutrition in camp and institution. Cleveland, Welfare federation of Cleveland and the Cleveland camp council, 1938. Mimeographed. 389.1 B212  
CRUESS, W. V. Commercial fruit and vegetable products. Ed. 2. New York, McGraw-Hill, 1938. (McGraw-Hill publications in the agricultural sciences) 389.3 C88C Ed.2

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Forestry, Trees

- MAYER-WEGELIN, H. Das auffästen der waldbäume. Ed.2. Hannover, Schaper, 1938. 99.49 M452A Ed.2
- SCHAEDELIN, W. L'eclaircie; traitement des forêts par la sélection qualitative, traduit de l'allemand par Maurice Droz. Neuchatel, Attinger, 1937. Translated from the 2d German edition: Die durchforstung als auslese- und veredelungsbetrieb höchster wertleistung. 99.48 SchlA
- VIEIRA NATIVIDADE, J. Técnica cultural dos sobreirais. v. 1-2. Alcobaça, Ministério do comercio e industria, Junta nacional da cortiça, 1937-38. 99.35 V67
- WIEDEMANN, E. Die fichte 1936. Erweiterte fortführung der berichte von geheimrat Schwappach über die preussischen fichtenversuchsflächen. Hannover, Schaper, 1937. 99.35 W632

Geography, Economic

- CASE, E. C. and BERGSMARK, D. Modern world geography. Chicago, Lippincott, 1938. 278 C26
- GERLING, W. Wirtschaftsentwicklung und landschaftswandel auf den westindischen inseln Jamaika, Haiti und Puerto Rico. Freiburg i. Br., Sintermann, 1938. (Veröffentlichungen des Instituts für Amerika-forschung an der Universität Würzburg. I) 278.14 G31W

Grasses and Forage Plants

- SOYBEAN NUTRITIONAL RESEARCH COUNCIL. The composition and nutritive properties of soybeans and soybean oil meal; a literature review. Chicago, 1938. 60.3 So9
- THOMAS, J. O. and DAVIES, L. J. Common British grasses and legumes. London, Longmans, Green, 1938. 60.1 T36

History

- BRIDENBAUGH, C. Cities in the wilderness; the first century of urban life in America, 1625-1742. New York, Ronald press co., 1938. 277.12 B76
- HARDY, G. La politique coloniale et le partage de la terre au XIX<sup>e</sup> et XX<sup>e</sup> siècles. Paris, Michel, 1937. (L'evolution de l'humanité; synthese collective, dirigee par Henri Berr. 4. section. III-Nationalisme, imperialisme, internationalisme. V) 282.2H22
- RISTER, C. C. Southern plainsmen. Norman, University of Oklahoma press, 1938. 135 R49



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Labor, Wages, Unemployment

- CHILDS, M. W. This is democracy; collective bargaining in Scandinavia.  
New Haven, Yale university press, 1938. 283 C43  
CONFEDERAZIONE FASCISTA DEI LAVORATORI DELL'AGRICOLTURA. La charte du  
travail et l'agriculture. Rome, Soc. an. "Arte della stampa", 1937.  
283 C7624C  
HERMANN, F. Lohnproblem und wirtschaftsethik. Freiburg im Breisgau,  
Herder, 1937. 283 H42  
RYAN, F. L. Problems of the Oklahoma labor market. Oklahoma City, Semco  
color press, 1937. Photoprinted. 284.6 R95  
WESTERN AUSTRALIA. ROYAL COMMISSION ON YOUTH EMPLOYMENT AND THE APPRENTICE-  
SHIP SYSTEM. Report. Perth, Simpson, 1933. 283 W525

Land

- GAGE, D. D. Land title assuring agencies in the United States. San  
Francisco, Recorder printing and publishing company, 1937. 282 G12  
HOOKER, E. R. Readjustments of agricultural tenure in Ireland. Chapel  
Hill, University of North Carolina press, 1938. 282 H762

Medicine

- FISHBEIN, M. ed. Handbook of therapy. From the Handbook of therapy by  
O. T. Osborne and M. Fishbein. Ed. 11. Chicago, American medical  
association, 1937. 448 F523 Ed.11  
GILL, C. A. The seasonal periodicity of malaria and the mechanism of  
the epidemic wave. London, Churchill, 1938. 448 G41  
MALLORY, F. B. Pathological technique. Philadelphia, Saunders, 1938.  
448 M29 1938.  
MOULTON, F. R. ed. Syphilis, presented by the Section on medical  
sciences. Lancaster, Pa., Science press, 1938. (Publications of the  
American association for the advancement of science, no. 6) 448 M86S

Ornithology

- CAYLEY, H. W. Australian parrots. Sydney, Angus & Robertson, 1938.  
413 C31Au  
HORTON-SMITH, C. and WALKER, G. T. The flight of birds. London, Witherby,  
1938. 413 H786  
RITTER, W. E. The California woodpecker and I. Berkeley, University of  
California press, 1938. 413 R51

Physics

- HOUSTOUN, R. A. A treatise on light. Ed.7. New York, Longmans, Green,  
1938. 334 H813T Ed.7  
WOOD, R. W. Physical optics. Ed.3. New York, Macmillan, 1934. 334 W85  
Ed.3

-----  
PRINCIPAL LIBRARY ACCESSIONS  
 (continued)

Planning and Planning Board Publications

- MARYLAND. STATE PLANNING COMMISSION. Report on fertilizer industry, by A. A. Imberman. Published through the cooperation of the Works Progress Administration. Baltimore, 1938. Mimeographed. 280.7 M36R
- NEW HAMPSHIRE. STATE PLANNING AND DEVELOPMENT COMMISSION. New Hampshire farming. Concord, N. H., Rumford press, 1938. 280.7 N4533Ne
- NEW HAMPSHIRE. STATE PLANNING AND DEVELOPMENT COMMISSION. New Hampshire public recreational areas. Concord, N. H., Capital offset company, 1938. 280.7 N4533N
- NEW JERSEY. STATE PLANNING BOARD. Land subdivision in New Jersey. Trenton, 1938. Processed. 280.7 N46L
- OREGON. STATE PLANNING BOARD. A study of industrial employment in Oregon, by J. C. Rettie, and V. L. Sexton. Portland, 1938. Mimeographed. 280.7 Or33Si

Psychology

- KATZ, D. and SCHANCK, R. L. Social psychology. New York, Wiley, 1938. 140 K15

Rural Sociology

- BROWDER, W. G. and LUNSFORD, L. E. An economic and social survey of Dinwiddie county. Charlottesville, University of Virginia, 1937. (University of Virginia record. Extension series. v. 22, no. 4) 281.2 B813
- FRITTS, F. and GWILL, R. W. Fifth avenue to farm. New York, Harper, 1936. 281.2 F91

Soils, Fertilizers

- COLLINGS, G. H. Commercial fertilizers. Ed. 2. Philadelphia, Blakiston, 1938. 57.2 C69 Ed.2
- KEMMER, E. and SCHULZ, F. Grundlagen der bodenpflege im obstbau. Berlin, Parey, 1938. 56.34 K31

Technical Plants

- CONFERENCE ON COTTON GROWING PROBLEMS. 3d, London, 1938. Report and summary of proceedings. London, Empire cotton growing corporation, 1938. 72.9 Em72 3d
- DAVIES, J. G. The principles of cane sugar manufacture. London, Rodger, 1938. 65 D282
- INTERNATIONAL INSTITUTE OF AGRICULTURE. BUREAU OF AGRICULTURAL SCIENCE. SECTION OF TROPICAL AGRICULTURE. Cotton breeding and seed supply. Appendix to the monograph on "World cotton production and trade." Rome, Colombo, 1938. 72 In8422

PRINCIPAL LIBRARY ACCESSIONS

## Technical Plants (continued)

- INTERNATIONAL INSTITUTE OF AGRICULTURE. BUREAU OF AGRICULTURAL SCIENCE. SECTION OF TROPICAL AGRICULTURE. The tung oil trees (Aleurites) and the tung oil industry throughout the world, prepared by J. Legros. Rome, Colombo, 1938. 77 In6A
- PRINSEN GEEBRLIGS, H. C. and PRINSEN GEEBRLIGS, R. J. Cane sugar production 1912-1937. A supplement to The World's cane sugar industry past and present. London, Rodger, 1938. 281.365 P93 Suppl.
- RUBBER TECHNOLOGY CONFERENCE. 1st. London. 1938. Proceedings. Edited by T. R. Dawson and J. R. Scott. Cambridge, Eng., Heffer, 1938. 78.9 R32001
- UNITED STATES CANE SUGAR REFINERS' ASSOCIATION. Sugar economics, statistics, and documents, by M. Lynsky. New York city, 1938. 281.365 Un38

## Transportation

- JOHNSON, E. R. Government regulation of transportation. New York, Appleton-Century, 1938. (Appleton transportation series, ed. by E. R. Johnson) 289 J63G
- LOCKLIN, D. P. Economics of transportation. Rev. ed. Chicago, Business publications, 1938. 289 L81 Rev. ed.
- QUEENSLAND. ROYAL COMMISSION ON TRANSPORT. Transport and harbour board problems of Queensland. Brisbane, Whyte, 1937. 289 Q3

## Zoology

- McCLINTOCK, T. The underwater zoo. New York, Vanguard, 1938. 411 M13
- MELLANBY, H. Animal life in fresh water. London, Methuen, 1938. 411 M48
- RUSSELL, E. S. The behavior of animals. Ed. 2. London, Arnold, 1938. 411 R91 Ed. 2
- SIMMONS, J. R. Feathers and fur on the turnpike. Boston, Christopher publishing house, 1938. 412.9 Si4
- WIGHT, H. H. Field and laboratory technic in wildlife management. Ann Arbor, University of Michigan press, 1939. 411 W634

## Reference Books

- K. NEDERLANDSCH AARDRIJKSKUNDIG GENOOTSCHAP, Amsterdam. Atlas van tropisch Nederland. Batavia, Reproductiebedrijf van den Topografischen dienst in Ned.-Indië, 1938. Dutch, French, German, English. 225 N283
- SAFTENBERG, F. Botanisches wörterbuch. Ed. 2. Leipzig, Hachmeister, & Thal, 1935. 452.1 Sal Ed.2

## Theses

- NEHL, M. Ueber die agglutination des Streptococcus agalactiae. Alfeld, (Leine), 1937. Inaug.-diss. Tierärztl. hochschule, Hannover. 41.2 N31
- WELLMER, W. F. H. Beitrag zur kenntnis der kohlschabe, Plutella maculipennis (Curtis), Bonn, 1937. Inaug.-diss. Bonn. 430 W46



PUBLICATIONS OF THE U. S. DEPARTMENT OF AGRICULTURE GRADUATE SCHOOL

An enquiry was recently received from one of the State colleges of agriculture regarding the publications of the U. S. Department of Agriculture Graduate School. As other agricultural libraries may be interested in knowing about the publications, a list of them, with prices, is given below. Those desiring the publications should address their requests to Dr. A. F. Woods, Director, Graduate Library School, U. S. Department of Agriculture, Washington, D. C.

	Price	Postage	
		U.S.	Foreign
On least squares. By W. Edwards Deming.	\$1.50	3¢	15¢
Lectures and conferences on mathematical statistics. By J. Neyman. Edited by W. Edwards Deming.	1.25	3¢	13-1/2¢
On the statistical theory of errors. By W. Edwards Deming and Raymond T. Birge.	.35	1-1/2¢	4-1/2¢
Lectures on statistical methods. By Walter A. Shewhart.	2.25	3¢	12¢
Administrative management. By outstanding leaders in that field. Paper binding	.75	1-1/2¢	7-1/2¢
	1.00	1-1/2¢	7-1/2¢
Current economic problems. By outstanding leaders in that field.	.50	4-1/2¢	22-1/2¢
Elements of personnel administration. By outstanding leaders in that field.	.50	1-1/2¢	4-1/2¢
Understanding ourselves: a survey of psychology today. By outstanding leaders in that field.	.50¢	3¢	12¢

-O-O-O-O-O-O-O-O-O-O-O-

OFFERS

The consolidation of the Utah Agricultural Experiment Station Library with the main College library has made available a set of Library of Congress printed cards for U. S. Department of Agriculture publications. The Utah Station wishes to sell this set, including the cabinet containing it, if this is desired. There are 72 catalog drawers and it is estimated that they contain 67,500 cards. An exchange for library reference sets will also be considered. If any institution is interested in acquiring these cards, enquiry should be made of the Utah Agricultural Experiment Station, Logan, Utah.

-O-O-O-O-O-O-O-O-O-O-O-

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- American library association catalog, 1932-1936; an annotated list of approximately 4,000 titles, edited by Marion Horton. Chicago, American library association, 1938. 357 p. 240.5 Am3Ca 1938
- Association of special libraries and information bureaux. Select list of standard British scientific and technical books, compiled at the request of the British council. Foreword by Sir William Bragg. Introduction by Sir Richard Gregory. 2d ed., revised and enlarged. London, ASLIB, 1938. 42 p. 241.5 As7 Ed.2
- Buros, O. K., ed. Research and statistical methodology books and reviews, 1933-1938. New Brunswick, Rutgers university press, 1938. 100 p. (Reprinted from the 1938 Mental measurements yearbook of the School of education, Rutgers university)
- Hadfield, M., comp. Garden books for the amateur, a catalogue compiled and illustrated by Miles Hadfield. London, Marston, 1937. 24 p. 241 H11
- Lingenfelter, H. R., comp. Vocations in fiction; an annotated bibliography. 2d edition. Chicago, American library association, 1938. 99 p. 241.1 L64 Ed.2
- West, C. J., comp. Bibliography of pulp and paper making, 1937, and United States patents on paper making and related subjects, 1937. New York, Published for Technical association of the pulp and paper industry by Lockwood trade journal co., inc., 1938. 221 p. 241.4 W52P 1937

## U. S. Department of Agriculture

## Agricultural adjustment administration

Agriculture's problems; help in understanding them; selected list of materials available for use in the study, analysis and discussion of problems affecting agriculture. These government publications available in limited quantities. 1939. 11 p. Mimeographed. 1.42 Ad4Ap

## Agricultural economics

List of manufacturers of fruit and vegetable hampers and baskets including manufacturer's identification numbers (revised to January 1939). 19 p. 1.9 Ec741C

## Agricultural engineering

A classified list of fertilizer distributing machines and devices on the market. 1938. Compiled by G. A. Comings, agricultural engineer. 9 p. 1.9 En57F

## Chemistry and soils

Bibliography of soil series. By Charles F. Shaw, Head of Division of soil technology, University of California and Mark Baldwin, Senior soil scientist, Soil survey Division, Department of Agriculture. October 1938. 167 p. 1.9 C49Mc

Bulletins, circulars and other publications of the Bureau of chemistry and soils issued in the Department of Agriculture series. 1939. 17 p. 1.9 C49B

Selected list of references on microbiology. Compiled by Helen F. Smart. November 1938. 5 p. Issued by Food research division. 1.9 C4925Sem

BIBLIOGRAPHIES AND LISTS

## U. S. Department of Agriculture (continued)

## Entomology and plant quarantine

Publications of the Division of insecticide investigations, October 1, 1938 to December 31, 1938. 2 p. 1.9 En866P

## Forest service

List of publications on glue and plywood. Dec. 1938. 10 p. Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761Lg

List of publications on logging, manufacture, and utilization of timber, lumber, and other wooden products. Jan. 1939. 31 p. Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761L

Effects of fire on forests: a bibliography. Compiled and annotated in the U. S. Forest service library. Sept. 15, 1938. 130 p. 1.9 F763E

## Public roads

Bibliography on highway finance. Compiled in the library of the bureau by Mildred Wilson Helvestine. Nov. 1938. 95 p. 1.9 R532Bi

-o-o-o-o-o-o-o-o-o-o-

TRANSLATIONS RECEIVED IN THE LIBRARYFrom Bureau of Biological Survey

HEILFURTH, F. *Passer domesticus* L. in Mexico. Jour. Ornith. 79: 317-319. July 1931.

From New Hampshire Agricultural Experiment Station

HOLLANDE, A. C. Contributions a l'etude du sang des coleopteres (Contribution on the study of the blood of coleoptera). Arch. Zool. Exper. et Gen. (ser. 5) 2: 271-294. Sept. 15, 1909. Translated by Philip G. Couture.

PEPESME, P. De l'action externe des arsenicaux sur les insectes (The external action of arsenic on insects). Compt. Rend. Acad. Sci. (Paris) 204(9): 717-719. 1937. Translated by Dr. Louise Glover.

From North Carolina State College

CORRENS, A-E. Der vitamin C- gehalt der frauenmilch und der kuhmilch in sommer (Determination of the vitamin C content of human and cows milk during the summer). Klinische Wochenschrift 16(3): 81-83. Jan. 16, 1937. Translated by S. T. Ballenger.

SCHUENERT, A. und WOLFANGER, L. Über den einfluss verschiedener vitamin B - mengen auf den vitamin A - bedarf (The influence of various amounts of vitamin B on the vitamin B requirement). Hoppe-Seyler's Zeitschr. f. Physiolog. Chemie 252(1-2): 95-100. 1938. Translated by Adolph Losick.

STOLZE, VON E. Über die kolorimetrische bestimmung des natriums in pflanzenaschen (The colorimetric determination of sodium in plant ashes). Bodenkunde u. Pflanzenernährung 53(3/4): 217-225. 1938. Translated by W. B. Rankin.

- o - o - o - o - o - o -



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

WALLACE, H. A. AAA not repudiated. If interest of farmers had been considered years ago, there would be no need for any AAA programs or crop referenda now. Rice News 6(2): 5-6. Dec. 1938.

----- A message for the readers of the Old Farmer's Almanac. Old Farmer's Almanac (1938) 146: 37. 1937.

Agricultural Adjustment Administration

EVANS, R. M. A review of America's program on wheat. (Address) Southwest. Miller 17(44): 40-41. Dec. 27, 1938.

----- Why U. S. wheat must stay in the export column. (Address) Northwest. Miller and Amer. Baker 16(1): 18-21, 56, 58. Jan. 4, 1939.

WILCOX, F. R. Meeting relief needs with farm surpluses. How the Federal Surplus Corporation works. Amer. Agriculturist 135(23): 631, 635. Nov. 5, 1938.

Bureau of Agricultural Economics

BAKER, O. E. Sociological considerations in the formulation of an agricultural policy. (Address) Eleventh Ann. Meeting. West. Farm Econ. Assoc. Proc. (1938) 11: 91-102.

BROXTON, W. Report of committee on statistics. (Paper) Twenty-sixth Ann. Meeting, Amer. Inst. Refrig. Proc. (1937) 26: 58-61.

----- Report of committee on statistics. (Paper) Twenty-seventh Ann. Meeting, Amer. Inst. Refrig. Proc. (1938) 27: 65-69.

CAMPBELL, M. E. Cotton spinning tests and related fiber studies in the U.S. Department of Agriculture. (Address) Amer. Wool & Cotton Reporter 52(26): 11-12, 18. June 30, 1938.

CHRISTIE, J. W. Mohair takes larger place in textiles. Boston Evening Transcript Pt. 2, 109(298): 7. Jan. 26, 1939.

CLAWSON, M. Discussion [of a paper "Recent developments in farm management research" by Neil W. Johnson]. Eleventh Ann. Meeting, West. Farm Econ. Assoc. Proc. (1938) 11: 37-38.

COLEMAN, D. A. Experimental malting at the U.S. Department of Agriculture. Internat'l. Brewing Abs. Aug. 1936. 3 pp.

GERDES, F. L. Benefiting quality by ginning. Cotton Digest 10(33): 3, 13-15. May 21, 1938.

----- (With C. A. BENNETT, Bur. Agr. Eng.) Care in harvesting cotton is urged by crop experts. Cotton Digest 10(49): 3-4, 14. Sept. 10, 1938.

----- (With C. A. BENNETT, Bur. Agr. Eng., senior author) Effects of feeds and saw speeds on cotton turn-out and quality. (From Leaflet) Cotton Ginners' Jour. 9(5): 7, 16-17. Feb. 1938.

---

\*These lists are prepared in the offices under which they are listed with the exception of the Office of the Secretary and the Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
 APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics (continued)

- GERDES, F. L. (With C. A. BENNETT, Bur. Agr. Eng., senior author) Repairing gins for better service. Cotton Ginners' Jour. 9(10): 5-6, 16. July 1938  
 ----- and MARTIN, W. J. (With C. A. BENNETT, Bur. Agr. Eng.) Cotton harvesting and handling. Cotton Ginners' Jour. 9(12): 7, 9, 20, 22. Sept. 1938; and 10(1): 7, 10-12. Oct. 1938.
- HAGGERTY, J. J. Discussion [of a paper "Some considerations involved in an appraisal of measures for land-use control" by James H. Marshall]. Eleventh Ann. Meeting, West. Farm Econ. Assoc. Proc. (1938) 11: 220-223.
- HARLAN, C. L. Is the United States livestock map changing? (Address) Natl. Provisioner (Ann. Conv. No.) 99: 93-94, 96-98. Nov. 5, 1938.
- JOHNSON, A. J. (With V. L. STEDRONSKI, Bur. Agr. Eng., senior author) Care and repair of cotton gin brushes. (Extracts from Circular) Cotton Ginners' Jour. 9(11): 18, 22. Aug. 1938.
- JOHNSON, H. W. Recent developments in farm management research. (Address) Eleventh Ann. Meeting, West. Farm Econ. Assoc. Proc. (1938) 11: 31-36.
- LADEJINSKY, W. Agrarian unrest in Japan. Foreign Aff. 17(2): 426-434. Jan. 1939.
- The Japanese cotton-textile industry - with relation to American cotton. Cotton Digest 10(13): 3-4, 13. Jan. 1, 1938.
- LANHAM, W. B. Cotton classing for staple improvement. Cotton Ginners' Jour. 9(10): 9-10, 12, 14. July 1938.
- MARSHALL, J. H. Some considerations involved in an appraisal of measures for land use control. (Address) Eleventh Ann. Meeting, West. Farm Econ. Assoc. Proc. (1938) 11: 211-219
- MINNEMAN, P. G. Will fog over Europe curtail export rise? Tobacco (Special Dixie No.) 106(13): 17-18, 88-89. Mar. 31, 1938.
- NICKERSON, D. Artificial daylighting for color grading of agricultural products. Jour. Optical Soc. Amer. 29(1): 1-9. Jan. 1939.
- RICHARDS, P. The outlook for supplies of livestock, 1938. (Address) Natl. Provisioner (Ann. Conv. No.) 99: 111-114, 116. Nov. 5, 1938.
- SELBY, H. D. Discussion [of a paper "Practical application of farm management theory" by Paul A. Eke]. Eleventh Ann. Meeting, West. Farm Econ. Assoc. Proc. (1938) 11: 57-58
- SHAW, C. S. (With C. A. BENNETT, Bur. Agr. Eng., senior author) Overhead cleaning-drying systems for seed cotton. Cotton Ginners' Jour. 10(3): 5-6, 19. Dec. 1938.
- THOMSEN, T. L. [Review] Monetary influences on postwar wheat prices, by V. P. Timoshenko. Stanford Univ., Calif., Food Research Inst., 1938. (Wheat Studies, 14: 263-318). Amer. Econ. Rev. 28: 785-786. Dec. 1938.

-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics (continued)

- VIZBARA, V. G. Graded eggs in London. U.S. Egg & Poultry Mag. 44: 532-534, 579. Sept. 1938.
- WILLARD, R. E. Discussion [of a paper "Integration of action programs" by Dr. E. A. Starch]. Eleventh Ann. Meeting, West. Farm Econ. Assoc. Proc. (1938) 11: 67-69.

Bureau of Agricultural Engineering

- BENNETT, C. A. Relation of mechanical harvesting to the production of high grade cotton. Cotton Ginn. Jour. 10(2): 5-6. Nov.1938.
- GARVER, H. L. Electrical drawbar dynamometer. Agr. Engin. 19: 431-432. Oct.1938.
- MCCRORY, S. H. Water and the land. Agr. Engin. 19: 519-522. Dec.1938.
- MERRILL, R. M. Use of vapor spray in plant disease control. Agr. Engin. 19: 524. Dec.1938.
- SCOBEY, F. C. Problems of flow of water of special concern to agricultural engineers. Agr. Engin. 19: 527-530. Dec.1938.

Bureau of Animal Industry

- BRIESE, R. R. and COUCH, J. F. A study of the iodine test for toxicity in sorghum. Amer. Jour. Pharmacy 110: 356-361. Aug.1938.
- LOWE, C. D. More "It" in our animal husbandry extension programs. In Southern Agric. Workers. 39th Ann. Conv. Proceed. (1938):67-68.
- MOHLER, J. R. The regional animal disease research laboratory in relation to better control of livestock diseases. In Southern Agric. Workers. 39th Ann. Conv. Proceed. (1938):68-69.
- MOHLER, W. M. Complement fixation with chick-embryo antigen in equine encephalomyelitis. Amer. Vet. Med. Assoc. Jour. 47: 39-43. Jan.1939.
- PHILLIPS, R. W. and SCHOTT, R. G. and GILDOW, E. M. Longer range paternity in sheep. Jour. of Heredity 29: 471-474. Dec. 1938.
- RAFFENSPERGER, H. B. Control of swine parasites in the South. In Southern Agric. Workers. 39th Ann. Conv. Proceed. (1938):69-70.
- SCHOENING, H. W. Recent developments in equine encephalomyelitis. Vet. Med. 34: 84-89. Feb.1939.
- SCHWARTZ, BENJAMIN and HARWOOD, PAUL. Maurice Crowther Hall as a parasitologist. Jour. Parasitology. 24: 283-290. Aug.1938.
- SHRADER, H. L. Building a poultry extension program. In Southern Agric. Workers. 39th Ann. Conv. Proceed. (1938): 128-129.
- TITUS, H. W. Poultry nutrition investigations at Beltsville. In Southern Agric. Workers. 39th Ann. Conv. Proceed. (1938):125-126.



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Biological Survey

- BENNETT, L. J. (With G. O. HENDRICKSON) Adaptability of birds to changed environment. Auk 56: 32-37. Jan. 1939.
- BURLEIGH, T. D. Alta Mira oriole in Texas: An addition to the A. O. U. Check List. Auk 56: 87-88. Jan. 1939.
- (With G. M. SUTTON) A new blue bunting from Tamaulipas. Auk 56: 71-72. Jan. 1939.
- COTTAM, C. Great blue heron swimming. Condor 41: 37. Jan./Feb. 1939.
- GABRIELSON, I. N. Summer notes from Blue Sea Lake, Quebec. Canadian Field Nat. 52: 79-87. Sept. 1938.
- HICKS, L. E. Western Henslow's sparrow taken in West Virginia. Wilson Bull. 50: 290. Dec. 1938.
- Southern downy woodpecker in Ohio. Auk 56: 83-84. Jan. 1939.
- HENRY, C. J. Golden eagle takes wounded horned owl. Auk 56: 75. Jan. 1939.
- JEWETT, S. G. Anthony green heron in the State of Washington. Condor 41: 35. Jan./Feb. 1939.
- A rattlesnake kills a California quail. Condor 41: 30. Jan./Feb. 1939.
- McATEE, W. L. Two apparently overlooked names for North American birds. Auk 56: 88-89. Jan. 1939.
- Wildfowl food plants: Their value, propagation, and management. Collegiate Press, Inc., Ames, Iowa, Jan. 1939.
- [Review] North American Atlantic salmon, in Comparative studies of the fluctuations in the stocks of fish in the seas of north and west Europe, by A. G. Huntsman. Conseil Perm. Internat. Expl. Mer. Rapp. et Proces verbaux des Réunions. 101 (4,1,B), 1938. Auk 56: 102-103. Jan. 1939.
- MARSHALL, W. H. Notes on fur bearers. Univ. Idaho Bull. 33: 82-85. Dec. 1938.
- MILLER, J. P. Farmer-sportsmen relationships. New York State Sportsman 4(2): 5-12. Dec. 1938.
- OBERHOLSER, H. C. Great white heron in Pennsylvania. Cardinal 5 (1): 15-16. Jan. 1939.
- SHELDON, H. P. The story of the 1938 waterfowl regulations. Country Life and Sportsman 74: 82-83, 96. Sept. 1938.
- Guns and game: Gun terminology; Savage utility; Savage 20-bore; over and under. Country Life and Sportsman 74 (5): 11, 95. Sept. 1938.
- WILLIAMS, C. S., and TROWBRIDGE, A. H. Wilson phalarope host of Nevada cowbird. Auk 56: 77. Jan. 1939.

Bureau of Chemistry and Soils

- BERNTON, H. S. Progress in allergy. The South. Med. Jour. 31: 1286-1294. Dec. 1938.
- BROTHER, G. H. Plastic materials from farm products. Indus. & Engin. Chem. Indus. Ed. 31: 145-148. Feb. 1939.
- and McKINNEY, L. L. Protein plastics from soybean products. Plasticization of hardened protein material. Jour. Indus. & Engin. Chem. 31: 84-87. Jan. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils (continued)

- BROWN, H. R. Control dust explosions. Safety Engin. 77(1): 24-26, 28. Jan. 1939.
- Dust explosion control in industrial plants. The Weekly Under-  
writer 140(1): 55-56, 58. Jan. 7, 1939.
- DAVIS, R.O.E. and SCHOLL, W. Ammoniated peat -- Effect of varying the con-  
ditions of ammonia treatment on nitrogen quality. Jour. Indus. &  
Engin. Chem., Indus. Ed. 31: 185-189. Feb. 1939.
- DeEDS, F., EDDY, C. W. and THOMAS, J. O. Studies on phenothiazine. V. Fate  
of phenothiazine in the body. Jour. of Pharm. & Expt. Therapeutics, 64:  
250-262. Nov. 1938.
- DETWILER, S. B. Jr., and MARKLEY, K. S. Bibliography on molecular or short-  
path distillation. Oil & Soap 16(1): 2-5. Jan. 1939.
- EMMETT, P. H. and SHULTZ, J. F. Oxidation of phosphorus to a pentavalent  
form by carbon dioxide. Equilibria in the phosphorus-carbon-oxygen  
system. Jour. Indus. & Engin. Chem. 31: 105-111. Jan. 1939.
- HENDRICKS, S. B. and JEFFERSON, M.E. Structures of kaolin and talcphyrophyllite  
hydrates and their bearing on water sorption of the clays. Amer. Mineral-  
ogist 23: 863-875, Dec. 1938.
- Crystal structure of vermiculites and mixed vermiculite-chlorites.  
Amer. Mineralogist 23: 851-862. Dec. 1938.
- HERRICK, H. T. Role of the Department of Agriculture. Jour. Indus. & Engin.  
Chem., Indus. Ed. 31: 142-144. Feb. 1939.
- JACOBS, P. B. Alcohol from farm products. Jour. Indus. & Engin. Chem.,  
Indus. Ed. 31: 162-165. Feb. 1939.
- KNIGHT, H. G. Day and (K) night hobby. Jour. Indus. & Engin. Chem., News Ed.  
16: 650, Dec. 10, 1938.
- LYNCH, D. F. J. Cellulosic agricultural by-products. Jour. Indus. & Engin.  
Chem., Indus. Ed. 31: 149-153. Feb. 1939.
- MAY, O. E. The work of the U. S. regional soybean industrial products labora-  
tory. Farm Chem. Jour. 1(3): 52-59, Dec. 1938.
- PULLEY, G. H. and von LOESECKE, H. W. Preparation of rhamnose from naringin.  
Jour. Amer. Chem. Soc. 61: 175-176. Jan. 1939.
- REYNOLDS, D. A. and HILL, W. L. Determination of fluorine, with special  
reference to analysis of natural phosphates and phosphatic fertilizers.  
An. Ed. Jour. Indus. & Engin. Chem. 11(1): 21-27. Jan. 1939.
- SHIRLEY, A. R. Cleaning and painting turpentine cups. Naval Stores Rev.  
48(42): 20-21. Jan. 14, 1939.
- SPEH, C. F. Utilization of naval stores. Jour. Indus. & Engin. Chem.,  
Indus. Ed. 31: 166-168. Feb. 1939.
- SWENSON, T. L. Storage of shell eggs. Food Res. 3: 599-608. Nov.-Dec. 1938.
- THOMAS, J. O., DeEDS, F. and EDDY, C. W. Studies on phenothiazine. VII. The  
bactericidal properties of urine after oral administration of phenothiazine.  
Jour. Pharmacol. and Expt. Ther. 64: 280-297. Nov. 1938.
- WELLS, P. A. and WARD, G. E. Fermentation processes. Jour. Indus. & Engin.  
Chem., Indus. Ed., 31: 172-177. Feb. 1939.
- YANOVSKY, E. Extraction of hemicelluloses from plant materials. Jour. Indus.  
& Engin. Chem. 31: 95-100. Jan. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Dairy Industry

- HALL, S. R. (With L. W. Butz, senior author, Bur. Anim. Indus.) Some characteristics of the androgenic fractions from bull urine. Jour. Biol. Chem. 126: 265-271. Nov. 1938.
- HODGSON, R. E. (With J. C. Knott, Wash. Agr. Expt. Sta.) A comparison of nutrient requirements with nutrient consumption by cows on all roughage rations. Proc. West. Div. Amer. Dairy Sci. Assoc. (1938): 39-43.
- (With J. C. Knott, senior author, Wash. Agr. Expt. Sta.) The dry matter consumption of Holstein cows on roughage rations. Proc. West. Div. Amer. Dairy Sci. Assoc. (1938): 35-38.
- ROGERS, L. A., HARDELL, R. E., and FEUTZ, F. The relation of the quality of milk to the grade of Swiss cheese. Jour. Dairy Sci. 22: 43-48. Jan. 1939.
- WATSON, P. D. Resinous product. U. S. patent 2,144,352. Issued Jan. 17, 1939.
- WHITTIER, E. O., and GOULD, S. P. Fiber. U. S. Patent 2,140,274. Issued Dec. 13, 1938.
- WILLIAMS, O. E. Method for storing, transporting, and restoring sweet cream. U. S. Patent 2,142,864. Issued Jan. 3, 1939.

Forest Service

- AFANASIEV, MICHAEL. Effect of indolebutyric acid on rooting of greenwood cuttings of some deciduous forest trees. Jour. Forestry 37(1): 37-41. Jan. 1939.
- CUNNINGHAM, R. N. Preliminary figures from Lake States forest survey. Jour. Forestry 37: 66-69. Jan. 1939.
- FRANK, BERNARD. Farewell to the smokies. Nature Magazine 32: 99-104. Feb. 1939.
- GARVER, RAYMOND D. The nation-wide forest survey. Amer. Wildlife 27: 88-89, 94. Sept.-Oct. 1938.
- GARVER, RAYMOND D. The nation's timber stand. Summary of the first over-all account of the U.S. Forest Survey. Amer. Forests 45: 66-68. Feb. 1939.
- HALL, R. C. A parable for tax reformers. Jour. Forestry 37: 65-66. Jan. 1939.
- HALLAUER, F. J. Pitfalls in interpreting lumber consumption trends. Jour. Forestry 37(1): 47-49. Jan. 1939.
- KOEHLER, ARTHUR. [Review] The properties of Australian timbers. Part 3, Pinus radiata D. Don (Pinus insignis Doug.), Insignis. Monterey, or remarkable pine. 31 p. illus. (Australia. Council for scientific and industrial research. Div. Forest products. Tech. Paper 28). Jour. Forestry 37: 76-77. Jan. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- LENTZ, G. H. and PAUL, BENSON H. [Review] Knots in second-growth pine and the desirability of pruning. Washington, U.S. Govt. print. off., 1938. 35 p. illus. (U.S. Dept. of agriculture. Misc. Pub. 307). Jour. Forestry 37: 75. Jan. 1938.
- LENTZ, G. H. Comments on Henze's article "A device for measuring sample plot radius." Jour. Forestry 37: 69. Jan. 1939.
- MATTHEWS, DONALD N. and SCHROEDER, GEORGE H. [Review] The art and science of protecting forest lands from fire. Oregon state college cooperative assoc., Corvallis, Oregon, 1938. 184 p. lithographed. by Jour. Forestry 37: 74. Jan. 1939.
- SCHREINER, E. J. The possibilities of the clone in forestry. Jour. Forestry 37: 61-62. Jan. 1939.
- SPARHAWK, W. N. [Review] Kolonialforstliche Mitteilungen (Reports on colonial forestry). Band 1, Heft 1. Neumann-Berlin, Verlag J. Neumann. 1938. 282 p. Jour. Forestry 37: 75-76. Jan. 1939.
- The Philippine Journal of Forestry. vol. 1, 112 p. published quarterly by the Philippine Dept. of Agriculture and commerce, Manila. 1938. (Note) Jour. Forestry 37: 78. Jan. 1938.
- TIEMANN, HARRY D. Lessons in wood technology. 8. The structure of wood. South. Lumberman 158(1937): 47-48. Jan. 15, 1939.
- WATERS, F. RUTH. Foresters race against time to salvage hurricane-killed timber. Forestry News Digest. p. 8-9. Jan. 1939.

Bureau of Entomology and Plant Quarantine

- ALLEN, M. Some applications of mathematics to an insect life-history study. Jour. Econ. Ent. 31: 719-722. Dec. 1938.
- BRENNAN, J. M. The incidence and importance of *Cochliomyia americana* and other wound-invading species. Jour. Econ. Ent. 31: 646-649. Dec. 1938.
- BRUCE, W. G. Soil moisture and its relation to the mortality of *Hypoderma* pupae. Jour. Econ. Ent. 31: 639-642. Dec. 1938.
- COCKERHAM, K. L., and DEEN, O. T. Laboratory tests with insecticides against the vegetable weevil. Jour. Econ. Ent. 31: 695-697. Dec. 1938.
- COTTON, R. T. Fumigation methods. Pests 6(11): 18-20. Nov. 1938.
- CURL, L. F. Pink bollworm control in Southeastern States. Jour. Econ. Ent. 31: 652-656. Dec. 1938.
- CUSHING, E. C., and PARISH, H. E. Seasonal variations in the abundance of *Cochliomyia* spp., *Phormia* spp. and other flies in Menard County, Tex. Jour. Econ. Ent. 31: 764-769. Dec. 1938.
- CUSHMAN, R. A. A new species of *Calliophialtes* from Brazil, with a key to the Neotropical species (Hymenoptera: Ichneumonidae). Rev. Ent. (Rio de Janeiro) 9: [11]-13. Sept. 1938.
- DAVIS, A. C. Further notes on cyanide fumigation of mushroom houses. Jour. Econ. Ent. 31: 777-778. Dec. 1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- DUNNAM, E. W., and CLARK, J. C. The cotton aphid in relation to the pilosity of cotton leaves. Jour. Econ. Ent. 31: 663-666. Dec. 1938.
- EAGLESON, C. Resistance of *Stomoxys calcitrans* (L.) to laboratory application of pyrethrum spray. Jour. Econ. Ent. 31: 778. Dec. 1938.
- ENGLISH, L. L., and GRAHAM, C. P. Soil sterilization experiments on killing larvae of the white-fringed beetle, *Naupactus leucoloma* Boh. Jour. Econ. Ent. 31: 769-773. Dec. 1938.
- EWING, K. P., and MCGARR, R. L. Sulfur and calcium arsenate for the control of the cotton flea hopper and the boll weevil. Jour. Econ. Ent. 31: 669-674. Dec. 1938.
- EWING, K. P. (With J. C. Gaines, Texas Agr. Expt. Sta., senior author) The relation of wind currents, as indicated by balloon drifts, to cotton flea hopper dispersal. Jour. Econ. Ent. 31: 674-677. Dec. 1938.
- FISHER, W. S. A new anobiid beetle from Oregon. Ent. Soc. Wash. Proc. 41: 26-27. Jan. 1939.
- GAINES, R. C. Toxicity of ten arsenical poisons to fifth instar cotton leaf worms. Jour. Econ. Ent. 31: 659-663. Dec. 1938.
- GERTLER, S. I., and HALLER, H. L. The pyrethrin content of home-made fly sprays. Soap 15: 93-94. Jan. 1939.
- GILMORE, J. U. Notes on *Apanteles congregatus* (Say) as a parasite of tobacco hornworms. Jour. Econ. Ent. 31: 712-715. Dec. 1938.
- Observations on the hornworms attacking tobacco in Tennessee and Kentucky. Jour. Econ. Ent. 31: 706-712. Dec. 1938.
- GILMER, P. H. A progress report on the control of boll weevils on sea-island cotton. Jour. Econ. Ent. 31: 684-687. Dec. 1938.
- MADDER, A. H., and CHAMBERLIN, F. S. Biological studies of the tomato worm on tobacco in Florida, 1936 and 1937. Jour. Econ. Ent. 31: 703-706. Dec. 1938.
- MORELAND, R. W. Recent field tests of insecticides for control of the cotton bollworm. Jour. Econ. Ent. 31: 666-668. Dec. 1938.
- MORRISON, H. Descriptions of new species of *Matsucoccus* (Hemiptera: Coccidae). Ent. Soc. Wash. Proc. 41: [1]-20. Jan. 1939.
- MUESEBECK, C. F. W. The genus *Dendrosoter* Wesmael in the United States (Hymenoptera: Braconidae). Ent. Soc. Wash. Proc. 40: 281-287. Dec. 1938.
- NICKELS, C. B., and PIERCE, W. C. Experiments with the pecan nut case bearer in Texas in 1938. Texas Pecan Growers Assoc. Proc. (1938) 18: 36-39.
- OSBURN, H. R., and SPENCER, H. Effect of spray residues on scale insect populations. Jour. Econ. Ent. 31: 731-732. Dec. 1938.
- PARISH, H. E., and CUSHING, E. C. Locations for blowfly traps: abundance and activity of blowflies and other flies in Menard County, Tex. Jour. Econ. Ent. 31: 750-763. Dec. 1938.
- PIERCE, W. C. Control of the obscure scale on pecan with low concentrations of lubricating oil emulsions. Jour. Econ. Ent. 31: 722-724. Dec. 1938. (Also published in: Texas Pecan Growers Assoc. Proc. (1938) 18: 39-45.)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- RAINWATER, C. F. Test of insecticides for control of the boll weevil, with and without untreated checks. Jour. Econ. Ent. 31: 682-684. Dec. 1938.
- ROARK, R. C. Additional patents relating to pest control. Pests 7(1): 24-25. Jan. 1939.
- A resume of insecticide literature and patents. Soap 15: 105, 107, 115. Jan. 1939.
- Synthetic organic compounds used as insecticides. Canad. Ent. 70: 248-253. Dec. 1938.
- SHANDS, W. A. (With R. F. Poole, North Carolina Agr. Expt. Sta. and E. G. Moss, North Carolina Tobacco Sta.) Conditions involved in the severe losses of newly set tobacco in North Carolina, 1937. Jour. Econ. Ent. 31: 715-719. Dec. 1938.
- SMITH, C. E., and BRUBAKER, R. W. Observations on cabbage worm populations at Baton Rouge, La. Jour. Econ. Ent. 31: 697-700. Dec. 1938.
- SMITH, G. L., SCALES, A. L., and GAINES, R. C. Effectiveness of several insecticides against three cotton insects. Jour. Econ. Ent. 31: 677-682. Dec. 1938.
- SMITH, L. E., and HALLER, H. L. Replacement of the diazo group by the acetoxy group. II. The preparation of m-bromophenyl and m-iodophenyl acetates. Amer. Chem. Soc. Jour. 61: 143-144. Jan. 1939.
- SNAPP, O. I. New peach borer control. Prog. Farmer, Ky.-Tenn. ed., 54(1): 10. Jan. 1939.
- Recent experiments with ethylene dichloride emulsion for peach borer control. Jour. Econ. Ent. 31: 725-727. Dec. 1938.
- SNYDER, T. E. Questions on subterranean termites and their control. answered. Pests 7(1): 7-9. Jan. 1939.
- SPENCER, H., and OSBURN, M. R. Citrus insect projects of the Orlando laboratory. Jour. Econ. Ent. 31: 728-730. Dec. 1938.
- SPICER, W. J., and DOVE, W. E. The screwworm and the Gold Coast tick in southern Texas. Jour. Econ. Ent. 31: 642-646. Dec. 1938.
- STAGE, H. H. Use of the New Jersey mosquito trap in the Pacific Northwest. Conf. Mosquito Abatement Officials in Calif. Proc. and Papers (1938) 9: 63-65.
- TRAVIS, B. V. The fire ant (*Solenopsis* spp.) as a pest of quail. Jour. Econ. Ent. 21: 649-652. Dec. 1938.
- WISECUP, C. B. The relative insecticidal effectiveness of some dusts containing rotenone. Jour. Econ. Ent. 31: 700-703. Dec. 1938.
- WISECUP, C. B., and REED, L. B. A study of the decrease in effectiveness of cube when exposed to weathering. Jour. Econ. Ent. 31: 630-695. Dec. 1938.
- YOUNG, H. D., COTTON, R. T., and WAGNER, G. B. How fumigation affects popping quality of corn. Food Indus. 11(1): 14, 56. Jan. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

(continued)

Office of Experiment Stations

SMITH, S. L. O. E. S. fourth reader. Jour. Home Econ. 31: 102-103.  
 Feb. 1939.

The name "O.E.S.Reader" has been formally adopted to designate the annual collection of state agricultural experiment station bulletins and circulars of interest to home economists that was originally termed the "Three-Inch Shelf." The lists for the first three Readers are to be found in the February issues of the Journal of Home Economics for 1936, 1937, and 1938.

----- Regional cooperative research in home economics. Omicron Nu 18(1): 10-14. 1938.

Bureau of Plant Industry

BLAKE, S.F. (With C.A. WEATHERBY, Gray Herbar., senior author) On certain plant records from Hillsboro, New Hampshire. Rhodora 41:34-36.  
 Jan. 1939.

BRATLEY, C.O. and WINSTON, J.R. Pitting and decay in pineapple oranges. Citrus Ind. 20(1):6-7,17,20-21. Jan.1939.

CHARLES, V.K. A new entomogenous fungus on the corn earworm, *Heliothis obsoleta*. Phytopathology 28:893-897. Dec.1938.

CLARK, C.F., STEVENSON, F.J. and SCHALL, L.A. The inheritance of scab resistance in certain crosses and selfed lines of potatoes. Phytopathology 28:879-890. Dec. 1938.

CLARK, L.A. & TYSDAL, H.M. Field observations on seed setting and natural crossing in alfalfa. Alfalfa Impr. Conf. Rpt. 6:13-14. 1938. (Mimeographed)

CRAWFORD, C.L. Cold storage of date pollen. Date Growers Inst. Rpt. 15:20. 1938.

CARLSON, J.W. The effect of Lygus bugs and other factors on seed production. Alfalfa Impr. Conf. Rpt. 6:7-9. 1938. (Mimeographed)

DANDLIER, W.B., COOPER, W.C. and TRAUB, H.P. Vitamin B, and the germination of pollen. Science 88:622. Dec.30,1938.

GOLDSWORTHY, H.C. and SMITH, M.A. An apple leafspot associated with *Fabracamaculata*. (Note) Phytopathology 28:938. Dec. 1938.

GRANDFIELD, C.O. Alfalfa wilt and breeding nursery at Manhattan.

Alfalfa Impr. Conf. Rpt. 6:34-35. 1938. (Mimeographed)

----- Temperature and humidity relations in seed production. Alfalfa Impr. Conf. Rpt. 6:15-20. 1938. (Mimeographed)

GREATHOUSE, G.A. (With G.H. WATKINS, Texas Agr. Expt. Sta.) Berberine as a factor in the resistance of *Mahonia trifoliolata* and *M. swaseyi* to *Hymenotrichum* root rot. Amer. Jour. Bot. 25:743-748. Dec. 1938.

HUTCHINS, L.M. (With L.C. COCHRAN, Calif. Citrus Expt. Sta., senior author) Further studies on host relationships of peach mosaic in Southern California. Phytopathology 28:890-892. Dec.1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- JENKINS, J.H. Rice. 4th ed. 20 p. Baton Rouge, Louisiana Dept. Agr. & Immigration, 1938.
- LYONS, E.S. Some soil fertility problems of the potato growers of the North Platte Valley. Nebr. Potato Impr. Assoc. Ann. Rpt. (1937/38) 19:13-19. 1938.
- MOORE, D.C. The size of date fruit as affected by soil moisture. Date Growers Inst. Rpt. 15:3-4. 1938.
- MORRISON, B.Y. Concerning snowdrops. Gard. Club Amer. Bull. 7:48-50. Jan. 1939.
- MORSE, W.J. Edible varieties of soybeans. Amer. Soybean Assoc. Proc. 18:30-33. 1938.
- Soybeans in the Southern States. Amer. Soybean Assoc. Proc. 18:45-48. 1938.
- MOSS, E.G. For high-quality tobacco in 1939. What type of soil and what cropping system? Prog. Farmer, Car.-Va. Ed. 54(2):8. Feb. 1939.
- NIXON, R.W. Leaf pruning and fruit thinning following the freeze of January, 1937. Date Growers Inst. Rpt. 15:25-29. 1938.
- RABAK, F. A simple and accurate method of evaluating hops. 8 p. [Chicago], 1938. (Reprinted from Communications Master Brewers Assoc. America, Second Quarter, 1938.)
- RYGG, G.L. A preliminary report on a simple and rapid method for determining the moisture content of dates. Date Growers Inst. Rpt. 15:4-5. 1938.
- SIEVERS, A.F. Experiments with Ephedra in the Southwest. Jour. Amer. Pharm. Assoc. 27:1221-1224. Dec. 1938.
- SMITH, H.H. (With D.R. Charles, Univ. Rochester, senior author) Distinguishing between two types of gene action in quantitative inheritance. Genetics 24:34-48. Jan. 1939.
- SPRAGUE, G.F. An estimation of the number of top-crossed plants required for adequate representation of a corn variety. Jour. Amer. Soc. Agron. 31:11-16. Jan. 1939.
- STRINGFIELD, G.H. Shelling percentage and test weight per bushel in Ohio corn hybrids. Ohio Agr. Expt. Sta. Bi-month. Bull. 23:205-209. Nov./Dec. 1938.
- TRAUB, H. P. *Brunsvigia gigantea* (Van Marum) comb. nov. *Herbertia* 5:132, 135. 1938.
- Hayter color chart. *Herbertia* 5:97. 1938.
- Subgenus *Sealyana*, genus *Amaryllis* (Linn. ex parte) Uphof, *Amaryllidaceae*. *Herbertia* 5:131. 1938.
- (With J.C.T. UPHOF, Rollins Coll., Winter Park, Fla.) Tentative revision of the genus *Amaryllis* (Linn. ex parte) Uphof (Syn. *Hippeastrum* herb.) *Herbertia* 5:114-131. 1938.
- The tribes of the *Amaryllidaceae*. *Herbertia* 5:110-113. 1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- TULLER, A.V. (With L.M. HUMPHREY, Ark. Agr. Expt. Sta., senior author)  
 Improvements in the technique of cotton hybridization. Ark. Agr. Expt.  
 Sta. Bull. 359. 11 p. June 1938.
- WESTOVER, H.L. Report of the sixth Alfalfa improvement conference,  
 June 24 & 25, 1938, Manhattan, Kansas. p.1-4. 1938. (Mimeographed)
- WHITAKER, T.W. The use of the Feulgen technic with certain plant materials.  
 Stain Technol. 14:13-16. Jan. 1939.
- WORRELL, B. That's what they call'em. [Weeds] Better Crops 22(8):  
 17,36. Oct. 1938.

Bureau of Public Roads

- HOGEOTOGLER, C.A. Soil stabilisation. Shire and Munic. Rec. 31:321-3.  
 Nov. 28, 1938.
- HOGEOTOGLER, C.A. and BARBER, E.S. Soil stabilization. Roads and Streets  
 81:43-6. Dec. 1938.
- MacDONALD, T. H. Contrasting United States and European practices in road  
 development. Amer. Highways 18: 10-14. Jan. 1939.
- Presentation of George S. Bartlett memorial award to Fred R.  
 White, Chief Engineer, Iowa. Amer. Highways 18: 39. Jan. 1939.

Soil Conservation Service

- BATCHELOR, J. M. New slants on growing Christmas trees. Amer. Forests  
 45:23. Jan. 1939.
- HOUGH, J. L. Underflow in Lake Lee, North Carolina. Civ. Engin. 9:36.  
 Jan. 1939.
- HOWARD, I. M. Meadow strips save soil. South. Agr. 69 (2): 17. Feb. 1939.
- Saving Oklahoma soils. Okla. State Jour. 7(10):8-9. Dec. 1938.
- LOWDERMILK, W. C. Flood control in soil conservation. Agr. Engin.  
 20:17-20. Jan. 1939.
- MAINS, C.B., jr. Erosion research. Penn. Farmer 119:328. Dec. 31, 1938.
- PIETERS, A. J. Make a start with lespedeza now. Prog. Farmer (Car-Va.ed)  
 54(2):10. Jan. 1939.
- PRESTON, J. F. Results of the Soil Conservation Service program of  
 planting trees and shrubs. Jour. Forestry 37: 19-22. Jan. 1939.
- RIESDOL, H. S. Dual Parshall flumes measure wide range of flows.  
 Civ. Engin. 9: 17-19. Jan. 1939.
- ROCKIE, W. A. Man's effects on the Palouse. Geogr. Rev. 29: 34-45.  
 Jan. 1939.
- WHITFIELD, C. J. Native vegetation of the southern great plains.  
 Bull. Ecol. Soc. America 19(4):30. Dec. 1938.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK\*

Alabama

- ENGLISH, L. L., and GRAHAM, C. P. Soil sterilization experiments on killing larvae of the white-fringed beetle, *Naupactus leucoloma* Boh. Jour. Econ. Ent. 31: 769-773. Dec. 1938.
- KOEHN, C. J. Canned dog food as a source of energy for dogs. Vet. Med. 34: 108-111. Feb. 1939.

Arizona

- BRADFIELD, D., and SMITH, M. C. The ability of the dog to utilize vitamin A from plant and animal sources. Amer. Jour. Physiol. 124: 168-173. Oct. 1, 1938.
- HILGEMAN, R. H., and SMITH, J. G. Maturation and storage studies with soft varieties of dates. Date Grower's Inst. Rpt. 15(1938): 14-17. 1938.
- SCHOUR, I., SMITH, M. C., and HOFFMAN, M. M. Effect of vitamin A deficiency on the rate of apposition of dentin. Soc. Expt. Biol. and Med. Proc. 39: 447-450. Dec. 1938. (I. Schour and M. M. Hoffman, Univ. Ill.)

Arkansas

- DUNEGAN, J. C. Germination experiments with overwintered teliospores of *Tranzschelia pruni-spinosae*. Phytopathology 29: 72-78. Jan. 1939. (In coop. with U. S. Dept. Agr.)
- PATTON, A. R. A study of glycine toxicity. Poultry Sci. 18: 31-34. Jan. 1939.
- ROSEN, H. R., and WEETMAN, L. M. Factors affecting the longevity of urediospores of *Puccinia coronata avenae*. (Abstract) Phytopathology 29: 21. Jan. 1939.
- ROSEN, H. R., and WEETMAN, L. M. The 1938 crown rust epidemic of oats in Arkansas in relation to hybrids of Bond and Victoria. Phytopathology 28: 898-901. Dec. 1938.
- SURE, B., and DeWITT, J. B. The oxygen uptake of tissues in vitamin deficiencies. Jour. Biol. Chem. 26: 287-298. Nov. 1938.

California

- ALMQUIST, H. J. (With E. MECCHI, Univ. Calif.) The influence of bile on erosions of the chick gizzard lining. Jour. Biol. Chem. 126: 407-412. Nov. 1938.

---

\* Prepared in Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (continued)

- BAINER, R., and BARBEE, C. E. An internal-combustion nut cracker. Agr. Engin. 20: 21-22. Jan. 1939.
- BLISS, D. E. Spoilage of dates as related to management of the fruit bunch. Date Grower's Inst. Rpt. 15(1938): 7-12. 1938.
- BOYCE, A.M. Dinitro-o-cyclohexylphenol in the control of the citrus red mite. (Note) Jour. Econ. Ent. 31: 781-782. Dec. 1938.
- COCHRAN, L. C., and HUTCHINS, L. M. Further studies on host relationships of peach mosaic in southern California. Phytopathology 28: 890-892. Dec. 1938. (In coop. with U. S. Dept. Agr.)
- CONRAD, J. P. (With C. N. ADAMS) Determining by plant response the retention of nutrient ions by soils. Jour. Amer. Soc. Agron. 31: 29-34. Jan. 1939.
- CRAFTS, A. S. Translocation in plants. Plant Physiol. 13: 791-814. Oct. 1938.
- ECKERT, J. E. Honeybee monstrosities. Amer. Bee Jour. 78: 504-505. Nov. 1938.
- Article with same title appeared in Ann. Ent. Soc. Amer. 30: 64-69. March 1937.
- ESSIG, E. O. Some new and little known Aphididae of California. (Note) Jour. Econ. Ent. 31: 780-781. Dec. 1938.
- FAWCETT, H. S. Psorosis in relation to other virus-like effects on citrus. (Abstract) Phytopathology 29: 6. Jan. 1939.
- GERICKE, W. F. What is soil? Science n.s. 88: 568-569. Dec. 16, 1938.
- HEWITT, W. B., JACOB, H. E., PROEBSTING, E. L., and LAMIMAN, J. F. Red leaf disease of grapes in California cured by controlling mites. (Abstract) Phytopathology 29: 10. Jan. 1939.
- HEWITT, W. B. A transmissible disease of grapevines. (Abstract) Phytopathology 29: 10. Jan. 1939.
- HODGSON, R. W., and EGGERS, E. R. Rootstock and scion vigor important to lemon yields. Citrus Leaves 18: 1, 30. Dec. 1938.
- JACK, E. L. The magnitude of the volume change accompanying water sorption in dry milk solids. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 61-67. [1938] Mimeographed.
- KELLEY, W. P., and BROWN, S. M. An unusual alkali soil. Jour. Amer. Soc. Agron. 31: 41-43. Jan. 1939.
- LEACH, L. D. (With B. R. HOUSTON) Influence of moisture and other factors on the efficiency and safety of sugar-beet-seed treatment. (Abstract) Phytopathology 29: 15. Jan. 1939.
- LEACH, L. D. (With B. R. HOUSTON) Practical application of indexing for Sclerotium rolfsii infection on sugar beets and some modifying conditions. (Abstract) Phytopathology 29: 15. Jan. 1939.
- LERNER, I. M. The shape of the chick embryo growth curve. Science n.s. 89: 16-17. Jan. 6, 1939.
- MOSES, B. D. Electric pasteurization of milk. Agr. Engin. 19: 525-526. Dec. 1938.
- PILLSBURY, A. F. A further report on water use by Coachella valley date palms. Date Grower's Inst. Rpt. 15(1938): 17-19. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (continued)

- PORTER, D. R. Better vegetables for California. West. Grower and Shipper 10: 10. Dec. 1938.
- QUAYLE, H. J. Advisability of treating picking boxes to prevent red scale spread. Calif. Citrograph 24: 111. Jan. 1939.
- RAWLINS, T. E. A microchemical study of gum pocket formation in sweet cherry wood. (Abstract) Phytopathology 29: 20. Jan. 1939.
- RAWLINS, T. E. Recent findings regarding the buckskin disease of cherries. (Abstract) Phytopathology 29: 20. Jan. 1939.
- REED, H. S. (With E. T. ELTINGE, Univ. Calif.) A technic for the cytological study of living plant cells. (Abstract) Amer. Jour. Bot. 25: 16s. Dec. 1938.
- ROSENFELS, R. S. Determination of chlorate in soil extracts, culture solutions, and plant sap. Jour. Assoc. Off. Agr. Chem. 21: 665-674. Nov. 1938.
- SHAW, C. F. The establishment of soil colour standards. Internatl. Soc. Soil Sci. Trans. v.A(1938): 51-53. 1938.
- SKOOG, F., BROYER, T. C., and GROSSENBACHER, K. A. Effects of auxin on rates, periodicity, and osmotic relations in exudation. Amer. Jour. Bot. 25: 749-759. Dec. 1938. (F. Skoog and K. A. Grossenbacher, Univ. Calif.)
- TURRELL, F. M., and BARTHOLOMEW, E. T. Structural and microchemical changes in granulated orange vesicles. Calif. Citrograph 24: 88, 110. Jan. 1939.
- YARWOOD, C. E. The fungicidal value of cottonseed oil and some other spray supplements. (Abstract) Phytopathology 29: 24. Jan. 1939.

## Delaware

- KADOW, K. J., GOODWIN, M. W. (With S. L. HOPPERSTEAD) The relation of copper fungicides to lead arsenate-lime and fixed nicotine-oil sprays. (Abstract) Phytopathology 29: 12. Jan. 1939.

## Colorado

- BARMORE, M. A. Altitude vs. baking powder using tentative A.A.C.C. cake formula. Cereal Chem. 16: 145-147. Jan. 1939.
- CLARK, A., and LEONARD, W. H. The analysis of variance with special reference to data expressed as percentages. Jour. Amer. Soc. Agron. 31: 55-66. Jan. 1939.

## Connecticut State

- FISHER, H. J. Report on pyridium. Jour. Assoc. Off. Agr. Chem. 21: 552-554. Nov. 1938.
- FISHER, H. J. Report on santonin, phenolphthalein, and calomel in tablets. Jour. Assoc. Off. Agr. Chem. 21: 531-533. Nov. 1938.
- JONES, D. F. Growth changes associated with chromosome breakage and re-attachment. (Abstract) Genetics 24: 77. Jan. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Connecticut State (continued)

- JONES, D. F. Variable effect of the C locus in maize following translocation. (Abstract) Genetics 24: 100. Jan. 1939.
- PUCHNER, G. W., VAKEMAN, A. J., and VICKREY, H. B. The organic acids of rhubarb (*Rheum hybridum*). III. The behavior of the organic acids during culture of excised leaves. Jour. Biol. Chem. 26: 43-54. Nov. 1938.
- SINGLETON, W. R. Cytological observations on deficiencies produced by treating maize pollen with ultraviolet light. (Abstract) Genetics 24: 109. Jan. 1939.
- SINGLETON, W. R. Recent linkage studies in maize, Maize Genetics Cooperation. V. Opaque endosperm-2 (og). Genetics 24: 61. Jan. 1939.

## Connecticut Storrs

- LANDAUER, W. Types of cross-beak in fowl. (Abstract) Genetics 24: 102. Jan. 1939.

## Florida

- BENSON, H., and BARNETTE, R. M. Leaching studies with various sources of nitrogen. Jour. Amer. Soc. Agron. 31: 44-54. Jan. 1939.
- BLACKMON, G. H. 50 years of agricultural research. Citrus Indus. 19: 8, 20-21. Oct. 1938.
- FORSEE, W. T., Jr. Determination of sugars in plant materials: a photocolorimetric method. Indus. and Engin. Chem. (Anal. Ed.) 10: 411-412. Aug. 15, 1938.
- INGRAM, J. W., JAYNES, H. A., and LOBDELL, R. W. Sugarcane pests in Florida. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 92-93. 1938.
- WATSON, J. R. Control of plant bugs in citrus groves. Citrus Indus. 19: 12-13. Oct. 1938.
- WATSON, J. R. Controlling root-knot in seed beds. Citrus Indus. 19: 7, 18. Oct. 1938.
- WATSON, J. R. Fall clean-up measures. Citrus Indus. 19: 14. Oct. 1938.

## Hawaii

- ALICATA, J. E. Life history of the cecal fluke, *Postharmostomum gallinum*, of poultry. (Abstract) Jour. Parasitol. 24:(Sup.): 29. Dec. 1938.
- ALLEN, O. H. (With E. K. ALLEN, Univ. Hawaii) Root nodule bacteria of some tropical leguminous plants. II. Cross-inoculation tests with the cowpea group. Soil Sci. 47: 63-76. Jan. 1939.

## Idaho

- BOLIN, D. W. (With A. M. KHALAPUR, Univ. Idaho) A precise method for the determination of carotene in forage. Indus. and Engin. Chem. (Anal. Ed.) 10: 417-418. Aug. 15, 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Idaho (continued)

- FOURT, D. L. (With I. H. LOUGHARY, Univ. Idaho) Some experiences with Idaho cooperative bull associations. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 17-22. [1938] Mimeographed.
- THEOPHILUS, D. R. (With D. C. BARNETT, Univ. Idaho) The influence of lighting conditions on the accuracy of the Babcock milk test. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 76-79. [1938] Mimeographed.
- THEOPHILUS, D. R. A review of recent research developments in ice cream manufacture. Wash. State Col. Inst. Dairying Proc. 11(1938): 84-89. 1938. Mimeographed.
- Article with same title appeared in Ice Cream Rev. 22: 72-75. Aug. 1938.
- VERNER, L. Histology of apple fruit tissue in relation to cracking. Jour. Agr. Research [U. S.] 57: 813-824. Dec. 1, 1938.

## Illinois

- CORBETT, W. J. Use of the low-lactose milk solids in ice cream. Ice Cream Rev. 22: 34, 68, 70, 71. Jan. 1938.
- FLINT, W. P. (With M. D. FARRAR, State Nat. Hist. Surv. Div.) Shade tree insects of the mid-west. Natl. Shade Tree Conf. Proc. 14(1938): 94-103. 1938.
- GIESEKING, J. E. The mechanism of cation exchange in the montmorillonite-beidellite-nontronite type of clay minerals. Soil Sci. 47: 1-13. Jan. 1939.
- LEVINE, N. D. The dehydration of methylene blue stained material without loss of dye. Stain Tech. 14: 29-30. Jan. 1939.
- RENDTORFF, R. C. A method of rearing the bedbug, Cimex lectularius L., for studies in toxicology and medical entomology. (Note) Jour. Econ. Ent. 31: 781. Dec. 1938.
- SHIELDS, J. B., MITCHELL, H. H., and RUTH, W. A. The metabolism and retention of lead in growing and adult rats. Jour. Indus. Hyg. and Toxicology 21: 7-23. Jan. 1939.
- SMITH, H. P., and TRACY, P. H. Consumers' preference for ice cream. Dairy Indus. 3: 397-399. Oct. 1938.
- TRACY, P. H. Homogenization. Dairy Indus. 3: 374-375. Oct. 1938.
- WOODRUFF, S., CHAMBERS, E., and KLAAS, H. A study of protein extract from soybeans with reference to its use in food. Jour. Agr. Research [U. S.] 57: 737-746. Nov. 15, 1938.

## Indiana

- BURKHOLDER, C. L. December pruning in 1935 results in severe injury to Jonathan and Stayman trees at Lafayette, Indiana. Ill. Hort. 27: 5. Nov. 1938.
- CURTIS, P. B. Report on stock feed adulteration. Jour. Assoc. Off. Agr. Chem. 21: 595-596. Nov. 1938.
- HIENTON, T. E. Instruction in rural electrification. Agr. Engin. 19: 535. Dec. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Iowa

- ANDERSEN, A. A., WOOD, H. G., and WERKMAN, C. H. Amino acid requirements of the lactic acid bacteria. Jour. Bact. 36: 655. Dec. 1938.
- PAKER, M. F., and HENDRICKSON, G. O. Greater Prairie Chicken breeding in Davis county, Iowa, 1938. Iowa Bird Life 8: 47-49. Dec. 1938.
- BREAZEALE, D. F. A critical study of the precision and value of halogen addition reactions applied to dairy research. Iowa State Col. Jour. Sci. 13: 47-49. Oct. 1938.
- BREWER, C. R., and WERKMAN, C. H. Dissimilation of citric acid by *Aerobacter indologenes*. Jour. Bact. 36: 657. Dec. 1938.
- CLARK, N. A., THOMAS, B. H., and FRAHM, E. E. The formation of vitamins A, B<sub>1</sub>, and C in *Lemna* grown in the absence of organic matter. Iowa State Col. Jour. Sci. 13: 9-16. Oct. 1938. (N. A. Clark and E. E. Frahm, Iowa State Col.)
- GOWEN, J. W. Behavior of tobacco mosaic virus irradiated with X-rays of different wave lengths. (Abstract) Genetics 24: 72-73. Jan. 1939.
- JOHNSON, L. E., and LUSH, J. L. "Legless" - a new lethal in swine. (Abstract) Genetics 24: 79. Jan. 1939. (L. E. Johnson, Iowa State Col.)
- LINCOLN, R. L., and LINDSTROM, E. W. Micro-evolution of host-parasite interactions in bacterial wilt of maize. (Abstract) Genetics 24: 78. Jan. 1939. (R. E. Lincoln, Iowa State Col.)
- LOOMIS, W. E., and McCOMB, A. L. Subclimax prairie. (Abstract) Amer. Jour. Bot. 25: 3s. Dec. 1938.
- LYLE, C. The crawfishes of Mississippi, with special reference to the biology and control of destructive species. Iowa State Col. Jour. Sci. 13: 75-77. Oct. 1938.
- MICKELSON, M. N., REYNOLDS, H., and WERKMAN, C. H. Behavior of added hydrogen acceptors on the metabolism of *Aerobacter indologenes*. Jour. Bact. 36: 657-658. Dec. 1938.
- NEWTON, J. M., and MAYNOR, H. M. Soybean amylase. I. The concentration and characterization of soybean amylase. Cereal Chem. 16: 71-78. Jan. 1939. (J. M. Newton, Iowa State Col.)
- PATTERSON, C. A., SMITH, E., and HALE, H. B. Food intake and gastro-intestinal motility in the albino rat during chronic CO asphyxia. Soc. Expt. Biol. and Med. Proc. 39: 509-511. Dec. 1938. (C. A. Patterson and H. B. Hale, Iowa State Col.)
- RICHMOND, L. A., and RUSSELL, M. B. A method for recording evaporation from a micro-thermometer cup. Iowa State Col. Jour. Sci. 13: 17-19. Oct. 1938.
- SELKO, L. F. Notes on the den ecology of the striped skunk in Iowa. Amer. Midland Nat. 20: 455-463. Sept. 1938.
- SILVERMAN, H., and WERKMAN, C. H. H<sub>2</sub>/CO<sub>2</sub> ratios of *Escherichia-Aerobacter*. Jour. Bact. 36: 659. Dec. 1938.

Kansas

- ACKERT, J. E. (With A. A. CASE, Kans. State Col.) Effects of the tapeworm *Raillietina cesticillus* (Molin) on growing chickens. (Abstract) Jour. Parasitol. 24 (Sup.): 14. Dec. 1938.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Kansas (continued)

- ACKERT, J. E. (With S. A. EDGAR, Kans. State Col.) Goblet cells and age resistance to parasitism. (Abstract) Parasitol. 24 (Sup.): 13-14. Dec. 1938.
- CASE, A. A., and ACKERT, J. E. New intermediate hosts of the fowl tapeworm *Raillietina costicillus* (Molin). (Abstract) Jour. Parasitol. 24 (Sup.): 17. Dec. 1938. (A. A. Case, Kans. State Col.)
- GRANDFIELD, C. O. Alfalfa wilt and breeding nursery at Manhattan. Alfalfa Impr. Conf. Rpt. 6(1938): 34-35. 1938. Mimeographed.
- GRANDFIELD, C. O. Temperature and humidity relations in seed production. Alfalfa Impr. Conf. Rpt. 6(1938): 15-17. 1938. Mimeographed.
- MELCHERS, L. E., and CREAGER, D. B. Pathological problems in growing alfalfa. Alfalfa Impr. Conf. Rpt. 6(1938): 27-29. 1938. Mimeographed.
- METZGER, W. H. The nature, extent, and distribution of fertilizer residues in the soil of some old fertility plats. Soil Sci. 47: 15-26. Jan. 1939.
- PAINTER, R. H. Entomological problems in growing alfalfa. Alfalfa Impr. Conf. Rpt. 6(1938): 31-32. 1938. Mimeographed.
- PERKINS, A. T., and MERRILL, J. F. Report on mineral mixed feeds. Jour. Assoc. Off. Agr. Chem. 21: 596-600. Nov. 1938.
- PETERSON, W. J., and PARRISH, D. B. Fluctuations of phosphatase and inorganic phosphorus in the blood of the laying hen during the period of egg formation. Poultry Sci. 18: 54-58. Jan. 1939.
- PETERSON, W. J., and PARRISH, D. B. Phosphatase and inorganic phosphorus in the plasma and whole blood of the fowl. Poultry Sci. 18: 59-62. Jan. 1939.
- SMITH, R. C. A brief survey of insects attacking alfalfa in Kansas. Alfalfa Impr. Conf. Rpt. 6(1938): 32-34. 1938. Mimeographed.
- WORKING, E. B. An electronic voltage regulator, with supplementary circuit to supply low voltages. Indus. and Engin. Chem. (Anal. Ed.) 10: 434-435. Aug. 15, 1938.

## Louisiana

- DUGAS, A. L. Trend of natural parasitism of sugarcane borer, *Diatraea saccharalis* (F.), by *Trichogramma*. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 93-94. 1938.
- EDDY, C. O. An attempt to colonize *Hippodamia convergens*. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 95. 1938.
- EDGERTON, C. W. Stubble deterioration. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 48-49. 1938.
- ELLISOR, L. O., GAYDEN, J. H., and FLOYD, E. H. Experiments on the control of the velvetbean caterpillar, *Anticarsia gemmatilis* (Hbn.). Jour. Econ. Ent. 31: 739-742. Dec. 1938.
- ELLISOR, L. O. (With J. W. Ingram, U. S. Dept. Agr.) Insecticidal experiments on the sugarcane borer, *Diatraea saccharalis* (F.). (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 98-100. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Louisiana (continued)

- FORBES, I. L. Immunity studies with sugarcane mosaic. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 46. 1938.
- FORBES, I. L. Immunization of sugarcane as a basis for determining validity of virus classification. (Abstract) Phytopathology 29: 7. Jan. 1939.
- FORBES, I. L. Production of setae by *Colletotrichum falcatum* in culture. (Abstract) Phytopathology 29: 7. Jan. 1939.
- MARTIN, W. J., and PERSON, L. H. Pathogenicity of actinomycete isolates on sweet potato. (Abstract) Phytopathology 29: 17. Jan. 1939.
- OSTERBERGER, B. A., and CHRISTIAN, M. B. Biology and importance of the sugarcane rootstock weevil (*Anaenthrus subnudus* Buch.) in Louisiana. (Abstract) Internatl. Soc. Sugar Cane Technologists 6(1938): 94-95. 1938.
- OSTERBERGER, B. A., and CHRISTIAN, M. B. Some new notes on the sugarcane rootstock weevil, *Anaenthrus subnudus* Buch. Jour. Econ. Ent. 31: 688-690. Dec. 1938.
- PERSON, L. H., and EDGERTON, C. W. Seed treatment for the control of bacterial blight of beans. (Abstract) Phytopathology 29: 19. Jan. 1939.
- PLAKIDAS, A. G. *Cercospora* leaf spot of strawberry. (Abstract) Phytopathology 29: 19. Jan. 1939.
- PLAKIDAS, A. G. A new *Mycosphaerella* leaf spot of strawberry. (Abstract) Phytopathology 29: 20. Jan. 1939.
- RYKER, T. C. The *Rhizoctonia* disease of Bermuda grass, sugarcane, rice and other grasses in Louisiana. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 49-50. 1938.
- STRACENER, C. L. Control of insect pests of milled rice by improved storage bags. Jour. Econ. Ent. 31: 687-688. Dec. 1938.
- TIMS, E. C. Dwarf or multiple bud disease of sugarcane in Louisiana. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 51-52. 1938.
- TIMS, E. C. Recent developments in sugarcane pathology. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 23. 1938.
- VOORHIES, M., and GRAYSON, W. M. An outline of recent sugar control programs and their effect on the Louisiana sugar industry. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 21-23. 1938. (M. Voorhies, Ext. Economist)

## Maine

- FOLSOM, D. Yield reduction by lime sulphur on apple trees. (Abstract) Phytopathology 29: 6. Jan. 1939.
- FRANKLIN, D. W. A study of individual versus group needs as a theoretical and an experimental approach to aggridascondance. (Abstract) Genetics 24: 98. Jan. 1939.

## Maryland

- BAMFORD, R. Chromosome number and hybridization in *Gladiolus*. (Abstract) Amer. Jour. Bot. 25: 1s-2s. Dec. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Maryland (continued)

- BAMFORD, R. (With G. B. REYNARD and J. M. BELLOWS, Univ. Md.) The chromosome number of some Tulipa hybrids. (Abstract) Amer. Jour. Bot. 25: 1s. Dec. 1938.
- DuBUY, H. G. Factors causing early development and vernalization. (Abstract) Amer. Jour. Bot. 25: 11s-12s. Dec. 1938.
- TILLSON, A. H., and BAMFORD, R. The floral anatomy of the Auranticideae. Amer. Jour. Bot. 25: 780-793. Dec. 1938. (A. R. Tillson, Univ. Md.)

## Massachusetts

- D'ERCOLE, A. D., ESSELIN, W. B., Jr., and FELLERS, C. R. The nutritive value of distillers' by-products. Poultry Sci. 18: 89-95. Jan. 1939.
- ESSELEN, W. B., Jr., and FELLERS, C. R. The nutritive value of dried tomato pomace. Poultry Sci. 18: 45-47. Jan. 1939.
- GUBA, E. F. A red forcing tomato resistant to Cladosporium leaf mold. (Abstract) Phytopathology 29: 9. Jan. 1939.
- HAYS, F. A. Breeding small flocks of domestic fowl for high fecundity. (Abstract) Genetics 24: 74-75. Jan. 1939.

## Michigan

- HUNT, H. R. (With C. A. HOPPERT, Mich. State Col.) Inheritance in rat caries. (Abstract) Genetics 24: 76. Jan. 1939.
- JOHNSON, A. A., and DEXTER, S. T. The response of quack grass to variations in height of cutting and rates of application of nitrogen. Jour. Amer. Soc. Agron. 31: 67-76. Jan. 1939.
- KENKNIGHT, G. Calomel as a soil treatment for the control of potato scab in Michigan, Long Island, and New Jersey soils. (Abstract) Phytopathology 29: 13. Jan. 1939.
- NELSON, R. Snapdragons resistant to two races of Puccinia antirrhini. (Abstract) Phytopathology 29: 18. Jan. 1939.
- STRONG, F. C. Some important shade tree diseases of the mid-west. Natl. Shade Tree Conf. Proc. 14(1938): 106-116. 1938.

## Minnesota

- CHILD, A. M., and SATORIUS, M. J. Effect of exterior temperature upon press fluid, shear force, and cooking losses of roasted beef and pork muscles. Jour. Agr. Research [U. S.] 57: 865-871. Dec. 1, 1938.
- CHILD, A. M., and MOYER, E. Z. Variations in sampling beef and pork roasts for press-fluid investigations. Food Research 3: 505-512. Sept.-Oct. 1938.
- GEMMELL, A. R. The degeneration of Metropolitan bent. Phytopathology 29: 95-102. Jan. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Minnesota (continued)

- HAYES, H. K., and CHANG, M. S. Recent linkage studies in maize, Maize Genetics Cooperation. I. Virescent seedling-16 (v16). Genetics 24: 59-60. Jan. 1939.
- HAYES, H. K., and CHANG, M. S. Recent linkage studies in maize, Maize Genetics Cooperation. II. Zebra striped-6 (zb6). Genetics 24: 60. Jan. 1939.
- HAYES, H. K. Recent linkage studies in maize, Maize Genetics Cooperation. III. Zebra seedling-4 (zb4). Genetics 24: 60. Jan. 1939.
- HAYES, H. K. Recent linkage studies in maize, Maize Genetics Cooperation. IV. Ramosa ear-2 (ra2). Genetics 24: 61. Jan. 1939.
- JOHNSON, I. J., and MILLER, E. S. Immediate effect of cross pollination on the carotenoid pigments in the endosperm of maize. Cereal Chem. 16: 88-92. Jan. 1939.
- LEACH, J. G. Further experiments on the cause of "purple-top wilt" of potatoes. (Abstract) Phytopathology 29: 14. Jan. 1939.
- MURPHY, R. P., and ARNY, A. C. The emergence of grass and legume seedlings planted at different depths in five soil types. Jour. Amer. Soc. Agron. 31: 17-28. Jan. 1939.
- PETERS, W. H. Forward steps in hog breeding. Texas Farming and Citriculture 15: 6-7. Jan. 1939.
- STAKMAN, E. C. (With W. L. POPHAM and R. C. CASSELL) Observations on stem-rust epidemiology in Mexico. (Abstract) Phytopathology 29: 22. Jan. 1939. (In coop. with U. S. Dept. Agr.)
- STAMBERG, O. E., and BAILEY, C. H. Action of wheat amylases on soluble starch. Jour. Biol. Chem. 126: 479-488. Dec. 1938.
- STAMBERG, O. E., and BAILEY, C. H. Effect of adding alpha- and beta-amylases to doughs. Cereal Chem. 16: 42-50. Jan. 1939.

## Mississippi

- LYLE, C. (With H. GLADNEY, Miss. Plant Board) Gulf Coast marsh ditches that remain in good condition without maintenance. (Note) Jour. Econ. Ent. 31: 778-779. Dec. 1938.

## Missouri

- LEWIS, A. A., and TURNER, C. W. Chemical concentration of mammogen from prehypophyseal tissue. Soc. Expt. Biol. and Med. Proc. 39: 435-436. Dec. 1938.
- MCKEYNOLDS, D. K., GINGRICH, W. S., and VINSON, C. G. X-ray diffraction study of tobacco mosaic virus proteins prepared by the sodium sulphate method (Abstract) Phytopathology 29: 17. Jan. 1939.
- MIDDLETON, J. T., and TUCKER, C. M. A disease of Gloxinia caused by Phytophthora cryptogea. (Abstract) Phytopathology 29: 17. Jan. 1939.
- O'MARA, J. G. Cytological observations on Zea-Euchlaena hybrids. (Abstract) Genetics 24: 82-83. Jan. 1939. (In coop. with U. S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Missouri (continued)

- SEARS, E. R. Monosomes, trisomes, and segmental interchanges from a haploid of *Triticum vulgare*. (Abstract) *Genetics* 24: 84. Jan. 1939. (In coop. with U. S. Dept. Agr.)
- SMITH, L. Reciprocal translocations in *Triticum monococcum*. (Abstract) *Genetics* 24: 86. Jan. 1939. (In coop with U. S. Dept. Agr.)
- SPRAGUE, G. F. An estimation of the number of top-crossed plants required for adequate representation of a corn variety. *Jour. Amer. Soc. Agron.* 31: 11-16. Jan. 1939. (In coop. with U. S. Dept. Agr.)

## Montana

- DONALDSON, F. T. A study of mineral nutrition of wheat as influenced by fertilizer combinations. *Plant Physiol.* 13: 737-766. Oct. 1938.

## Nebraska

- CLARK, E. A., and TYSDAL, H. H. Field observations on seed setting and natural crossing in alfalfa. *Alfalfa Impr. Conf. Rpt.* 6(1938): 13-14. 1938. Mimeographed.
- REICHART, E. L. A comparison of fresh condensed skim milk and frozen condensed skim milk as a source of serum solids in ice cream. *Wash. State Col. Inst. Dairying Proc.* 11(1938): 35-38. 1938. Mimeographed.
- REICHART, E. L. The manufacture of Neufchatel and cream cheese. *Wash. State Col. Inst. Dairying Proc.* 11(1938): 5-8. 1938. Mimeographed.
- REICHART, E. L. Recent changes in buttermaking practices. *Wash. State Col. Inst. Dairying Proc.* 11(1938): 22-26. 1938. Mimeographed.
- REICHART, E. L. Some fundamentals of freezing ice cream. *Wash. State Col. Inst. Dairying Proc.* 11(1938): 90-93. 1938. Mimeographed.
- REICHART, E. L. Variations in the cheddar cheese making process that have proven profitable. *Wash. State Col. Inst. Dairying Proc.* 11(1938): 1-4. 1938. Mimeographed.
- STANDSTEDT, R. M., and BLISH, H. J. The question of sugar levels in laboratory baking. *Cereal Chem.* 16: 36-42. Jan. 1939.

## New Jersey

- DAINES, R. H. Two years experiments in the control of cherry leaf spot (*Coccophyes hiemalis*). (Abstract) *Phytopathology* 29: 5. Jan. 1939.
- GEHL, H. W. Chemical coagulation of sewage. X. Effect of non-settleable solids on the coagulant demand. *Sewage Works Jour.* 10: 939-944. Nov. 1938.
- HAENSLEIN, C. M. The effect of various soil amendments on the development of club root (*Plasmodiophora brassicae*) of crucifers. (Abstract) *Phytopathology* 29: 9. Jan. 1939.
- STARKEY, R. L. A study of spore formation and other morphological characteristics of *Vibrio desulfuricans*. *Arch. Mikrobiol.* 9: 268-304. Aug. 5, 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New Jersey (continued)

- WADLEIGH, C. H., and SHIVE, J. W. A microchemical study of the effects of boron deficiency in cotton seedlings. Soil Sci. 47: 33-36. Jan. 1939.
- WAKSMAN, S. A., UMBREIT, W. W., and CORDON, T. C. Thermophilic actinomycetes and fungi in soils and in composts. Soil Sci. 47: 37-61 Jan. 1939.

## New York Cornell

- BLODGETT, F. M. The spread of apple mosaic. (Note) Phytopathology 28: 937-938. Dec. 1938.
- BOYNTON, D., DeVILLIERS, J., and REUTHER, W. Are there different critical oxygen concentrations for the different phases of root activity? Science n.s. 88: 568-569. Dec. 16, 1938. (D. Boynton and J. DeVilliers, Cornell Univ.)
- BURKHOLDER, W. H. A bacterial blight of stocks caused by *Phytomonas* *springae*. Phytopathology 28: 935-936. Dec. 1938.
- CURTIS, O. F. Wallace and Clum, "Leaf temperatures": a critical analysis with additional data. Amer. Jour. Bot. 25: 761-771 Dec. 1938.
- FRAMPTON, V. L. Physico-chemical studies on the tobacco-mosaic virus protein. (Abstract) Phytopathology 29:7. Jan. 1939.
- GALLUP, W. D., and NORRIS, L. C. The amount of manganese required to prevent perosis in the chick. Poultry Sci. 18: 76-82. Jan. 1939.
- GALLUP, W. D., and NORRIS, L. C. The effect of a deficiency of manganese in the diet of the hen. Poultry Sci. 18: 83-88. Jan. 1939.
- HILDEBRAND, E. M. Internal bark necrosis of Delicious apple, a physiogenic "boron-deficiency" disease. (Abstract) Phytopathology 29: 10. Jan. 1939.
- HILDEBRAND, E. M. Two fungi (*Valsa leucostoma* and *V. cincta*) besides brown rot (*Sclerotinia fructicola*) prominently involved in peach-canker complex. (Abstract) Phytopathology 29: 10. Jan. 1939.
- LAMOREUX, W. F., and HUTT, F. B. Variability of body temperature in the normal chick. Poultry Sci. 18: 70-75. Jan. 1939.
- NEWMALL, A. G. Progress in control of onion mildew (*Peronospora destructor*) in New York. (Abstract) Phytopathology 29: 18. Jan. 1939.
- NEWMALL, A. G. Two new electrical devices for pasteurizing soil. (Abstract) Phytopathology 29: 18-19. Jan. 1939.
- OLSON, C. (With P. P. LEVINE, Cornell Univ.) A study of the cellular elements and hemoglobin in the blood of chickens experimentally infected with *Capillaria columbae* (Rud.). Poultry Sci. 18: 3-7. Jan. 1939.
- PERSONIUS, C. J., and SHARP, P. F. Adhesion of potato-tuber cells as influenced by temperature. Food research 3: 513-524. Sept.-Oct. 1938. (C. J. Personius, N. Y. State Col. Home Econ.)
- PERSONIUS, C. J., and SHARP, P. F. Permeability of potato-tuber tissue as influenced by heat. Food Research 3: 525-538. Sept. Oct. 1938. (C. J. Personius, N. Y. State Col. Home Econ.)
- PIRONE, P. P. Bacterial leaf spot of *Dieffenbachia*. (Abstract) Phytopathology 29:19. Jan. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York Cornell (continued)

- RAHN, O. Building stones to a chemistry of evolution. Amer. Nat. 72: 26-43. Jan.-Feb. 1939.
- RAHN, O. (With A. D. CONSOLE and R. E. DEUEL, Cornell Univ.) A graphic differentiation between secreted and endo-enzymes in cultures. Jour. Bact. 36: 636. Dec. 1938.
- RASMUSSEN, R., BOGART, R., and MAYNARD, L. A. Ascorbic acid content of milk of various species as influenced by ascorbic acid injection and diet. Soc. Expt. Biol. and Med. Proc. 39: 502-505. Dec. 1938. (R. Rasmussen and R. Bogart, Cornell Univ.)
- RILEY, H. W. (With S. KRASIK, Cornell Univ.) High-leakage transformers as alternating current fence controllers. Agr. Engin. 20: 7-10, 12. Jan. 1939.
- SANDERSON, D. A preliminary group classification based on structure. Social Forces 17: 196-201. Dec. 1938.
- STUCKEY, I. E., and CURTIS, O. F. Ice formation and the death of plant cells by freezing. Plant Physiol. 13: 815-833. Oct. 1938.
- WEISS, F., and HAASIS, F. A. Mercuric oxide as a soil antiseptic against Fusarium rot of narcissus bulbs. (Abstract) Phytopathology 29: 23. Jan. 1939. (In coop. with U. S. Dept. Agr.)
- WELCH, D. S. Nectria canker in relation to growth and mortality in basswood (*Tilia americana*). (Abstract) Phytopathology 29: 23. Jan. 1939.

## New York State

- BEAVENS, E. A., GORESLINE, H. E., and PEDERSON, C. S. Preservation of grape juice. V. Pasteurization of grape and apple juices for storage or immediate fermentation. Food Research 3: 467-479. Sept.-Oct. 1938. (E. A. Beavens and H. E. Goresline, U. S. Dept. Agr.)
- BREED, R. S., and PEDERSON, C. S. The organisms causing rusty spot in cheddar cheese. Jour. Bact. 36: 667. Dec. 1938.
- BROOKS, R. F. Some cultural characteristics of the genus *Corynebacterium*. Jour. Bact. 36: 665. Dec. 1938.
- HAYNES, W. C. Cultural characters of certain food-poisoning micrococci. Jour. Bact. 36: 663. Dec. 1938.
- HEUBERGER, J. W., and HORSEFALL, J. G. Yellow cuprous oxide as a fungicide of small particle size. (Abstract) Phytopathology 29: 9. Jan. 1939.
- HORSEFALL, J. G. (With J. W. Heuberger) Delayed spraying of tomatoes. (Abstract) Phytopathology 29: 11. Jan. 1939.
- HORSEFALL, J. G. A new attack on tomato blight. Canner 88: 24-25, 60. Jan. 7, 1939.
- KERTESZ, Z. I. How pectic enzymes influence the quality of tomato products. Canner 88: 11. Dec. 10, 1938.
- KERTESZ, Z. I. Pectic enzymes. II. Pectic enzymes of tomatoes. Food Research 3: 481-487. Sept.-Oct. 1938.
- TUNER, H. B., and LOUNG, J. O. Development and histology of fruit of the sour cherry from pre-bloom to fruit ripening. (Abstract) Amer. Jour. Bot. 25: 5s-6s. Dec. 1938.

## ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York State (Continued)

- WILLIAMS, C. O., and TRESSLER, C. J., Jr. Sources of lead in maple syrup and a method for its removal. Food Research 3: 449-452. Sept. Oct. 1938.

## North Carolina

- ADAMS, W. E. Inheritance of resistance to leaf rust in common wheat. Jour. Amer. Soc. Agron. 31: 35-40. Jan. 1939.
- EVANS, H. H., and POOLE, R. F. Some parasitic fungi harbored by peanut seed stock. (Abstract) Jour. Elisha Mitchell Sci. Soc. 54: 190-191. Dec. 1938.
- SHANDS, W. A., POOLE, R. F., and MOSS, E. G. Conditions involved in the severe losses of newly set tobacco in North Carolina, 1937. Jour. Econ. Ent. 31: 715-719. Dec. 1938. (W. A. Shands, U. S. Dept. Agr.)
- SMITH, T. E. (With R. K. GODFREY) Field survey of the relation of susceptible weeds to Granville-wilt control. (Abstract) Phytopathology 29: 22. Jan. 1939. (In coop. with U. S. Dept. Agr.)
- SMITH, T. E. Host range studies with *Bacterium solanacearum*. (Abstract) Jour. Elisha Mitchell Sci. Soc. 54: 189-190. Dec. 1938.
- WELLS, B. W. (With I. V. SHUNK) The important role of salt spray in coastal ecology. (Abstract) Jour. Elisha Mitchell Sci. Soc. 54: 185-186. Dec. 1938.

## North Dakota

- HARRIS, R. H. A study of gluten protein fractionation from sodium salicylate solution. Part III. The effect of proteolytic enzymes. Cereal Chem. 16: 78-88. Jan. 1939.
- WHITMAN, W. The bound water content of native prairie species in relation to environmental conditions. (Abstract) Amer. Jour. Bot. 25: 18s. Dec. 1938.

## Ohio

- BETHKE, R. H. Soybean oilmeal for poultry. U. S. Egg and Poultry Mag. 45: 111-112. Feb. 1939.
- TILFORD, P. E. Effect of some synthetic growth substances on root development of transplanted trees. Natl. Shade Tree Conf. Proc. 14(1938): 51-57. 1938.

## Oklahoma

- BIEBERDORF, G. A., and FORTON, F. A. Control of the poinsettia root aphid. Jour. Econ. Ent. 31: 733-734. Dec. 1938.
- CHESTER, K. S. (With H. CRESS) Source of leaf-rust inoculum for fall infection of wheat. (Abstract) Phytopathology 28: 4. Jan. 1938.
- DANIS, R. C., and KAGAN, H. Egg predator of the chinch bug. (Note) Jour. Econ. Ent. 31: 779-780. Dec. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Oklahoma (continued)

- FENTON, F. A. The insect record for Oklahoma, 1937. Okla. Acad. Sci. Proc. v. 18(1937): 38-43. 1938.
- GALLUP, W. D. Manganese distribution in plant material and its physiological importance in animal nutrition. (Abstract) Okla. Acad. Sci. Proc. v.18 (1937): 49-51. 1938.
- HARPER, H. J. Effect of silting on tree development in the flood plain of Deep Fork of the North Canadian river in Creek county. Okla Acad. Sci. Proc. v.18(1937): 46-49. 1938.
- HARPER, H. J. Three outcrops of volcanic ash in north central Oklahoma. Okla. Acad. Sci. Proc. v.18(1937): 58. 1938.
- IRELAND, J. C. Heritable variations in chlorophyll. Plant Physiol. 13: 863-865. Oct. 1938.
- JAAP, G. Estimating the influence of heredity on the tarso-metatarsal length of the domestic turkey. Okla. Acad. Sci. Proc. v.18(1937): 11-13. 1938.
- REIDER, R. Egg composition. I. The effect of diet and storage on the chemical composition of eggs. Poultry Sci. 18: 19-25. Jan. 1939.

## Oregon

- AHI, S. M., and POWERS, W. L. Salt tolerance of plants at various temperatures. Plant Physiol. 13: 767-769. Oct. 1938.
- JONES, I. R., EWALE, E. P., and HAAG, J. R. The fertilization of irrigated pastures. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 30-34. [1938] Mimeographed.
- SPIELMAN, A., and JONES, I. R. Variations in reproductive efficiency of dairy cattle. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 44-49. [1938] Mimeographed. (A. Spielman, Oreg. State Col.)

## Pennsylvania

- ANTHONY, R. D. Soil covers in the orchard. Va. State Hort. Soc. Proc. 43(1938): 69-73. 1939.
- HARRIS, R. G., HALEY, D. E., and REID, J. J. The microflora of flue-cured tobacco. Jour. Bact. 26: 666-667. Dec. 1938. (R. G. Harris, Pa. State Col.)
- THOMAS, W. Foliar diagnosis: its relation to the optimum nutrition of the potato. Plant Physiol. 13: 677-694. Oct. 1938.

## Puerto Rico

- BARTLETT, K. A. The introduction and colonization of the Amazon fly, *Metagonistylum minense* Tns., in Puerto Rico. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938):86. 1938. (In coop. with U. S. Dept. Agr.)
- BARTLETT, K. A. The introduction of predatory beetles into Puerto Rico to aid in the control of the yellow cane aphid, *Sipha flava* Forbes. (Abstract) Internatl. Soc. Sugar Cane Technologists Rpts. 6(1938): 85-86. 1938. (In coop. with U. S. Dept. Agr.)



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Rhode Island

- HOWARD, F. L., STARK, F. L., and SMITH, J. B. Chemical control of nematodes in tomato greenhouses. (Abstract) *Phytopathology* 29: 11. Jan. 1939.
- HOWARD, F. L. (With N. CAROSELLI) A maple blight in Rhode Island. (Abstract) *Phytopathology* 29: 11. Jan. 1939.
- ORLAND, T. E., and LEA, G. F. Preserving long-time experiments in cement frames. (Note) *Jour. Amer. Soc. Agron.* 31: 77-79. Jan. 1939.

South Carolina

- ARMSTRONG, G. H. (With J. D. MACLACHLAN and R. WEINDLING) Pathogenicity experiments with isolates of *Fusarium vasinfectum* causing cotton wilt. (Abstract) *Phytopathology* 29: 1. Jan. 1939.
- WEINDLING, R., and ARMSTRONG, G. H. A water-culture infection method used in the study of *Fusarium* wilt of cotton. (Abstract) *Phytopathology* 29: 23. Jan. 1939.

South Dakota

- DuBOIS, K., HUTTON, R., and MOXON, A. L. A method for preparation of large quantities of wheat gluten. *S. Dak. Acad. Sci. Proc.* v.18(1938):65-66. 1938. (K. DuBois and R. Hutton, S. Dak. State Col.)
- MOXON, A. L. (With H. RHIAN, S. Dak. State Col.) Loss of selenium by various grains during storage. *S. Dak. Acad. Sci. Proc.* v.18(1938):20-22. 1938.
- MOXON, A. L. (With H. LARDY, S. Dak. State Col.) Manganese content of some South Dakota feeds. *S. Dak. Acad. Sci. Proc.* v.18 (1938): 57-60. 1938.
- MOXON, A. L., OLSON, O. E., SEARIGHT, W. V., and SANDALS, K. M. The stratigraphic distribution of selenium in the Cretaceous formations of South Dakota and the selenium content of some associated vegetation. *Amer. Jour. Bot.* 25: 794-809. Dec. 1938.
- OLSON, O. E. The movement of selenium from germinating seleniferous grains. *S. Dak. Acad. Sci. Proc.* v.18(1938):41-43. 1938.
- WALLIS, G. C. (With H. LARDY, S. Dak. State Col.) The vitamin D content of some South Dakota roughages. *S. Dak. Acad. Sci. Proc.* v.18(1938): 46-49. 1938.
- WIANE, D. E. Mechanical equipment for weed control. *Agr. Engin.* 20: 15-16. Jan. 1939.

Tennessee

- SHERBAKOFF, C. D. Variability in *Fusarium vasinfectum*. (Abstract) *Phytopathology* 29: 21. Jan. 1939.
- WEAVER, J. W., Jr., and WYLIE, C. E. Low-cost hay drying. *Agr. Engin.* 20: 13-14, 16. Jan. 1939. (J. W. Weaver, Jr., Tenn. Valley Authority)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Texas

- BLANK, L. M. The response of *Phymatotrichum omnivorum* to heavy metals and other elements. (Abstract) *Phytopathology* 29: 2. Jan. 1939.
- FLORY, W. S. Cytology, genetics and breeding: cytotaxonomic notes on the genus *Habranthus*. *Herbertia* 5: 151-153. 1938.
- FRIEND, W. H. Growing plants without soil. *Texas Farming and Citriculture* 15: 4, 18. Jan. 1939.
- GAINES, J. C. Analysis of data in plat designs for cotton insect control. *Jour. Econ. Ent.* 31: 656-659. Dec. 1938.
- GAINES, J. C. (With K. P. EWING, U. S. Dept. Agr.) The relation of wind currents, as indicated by balloon drifts, to cotton flea hopper dispersal. *Jour. Econ. Ent.* 31: 674-677. Dec. 1938.
- GREATHOUSE, G. A., and WATKINS, G. M. Berberine as a factor in the resistance of *Mahonia trifoliolata* and *M. Swaseyi* to *Phymatotrichum* root rot. *Amer. Jour. Bot.* 25: 743-748. Dec. 1938.
- IVANOFF, S. S. White rust of spinach. (Abstract) *Phytopathology* 29: 12. Jan. 1939.
- JACKSON, A. D. Meager fertilizing in Texas. *Texas Farming and Citriculture* 15: 12. Jan. 1939.
- STEPHENS, J. C., and QUINBY, J. R. Linkage of the Q B Gs group in sorghum. *Jour. Agr. Research [U. S.]* 57: 747-757. Nov. 15, 1938. (J. C. Stephens, U. S. Dept. Agr.)
- YOUNG, P. A. Chemical soil treatment to control *Fusarium lycopersici*, *Heterodera marioni*, and weeds. (Abstract) *Phytopathology* 29: 25. Jan. 1939.
- YOUNG, P. A. Controlling damping-off of tomato seedlings with light, and chemicals on seed and soil (Abstract) *Amer. Jour. Bot.* 25: 18s. Dec. 1938.
- YOUNG, P. A. Gallatin fossil forest. (Abstract) *Amer. Jour. Bot.* 25: 9s. Dec. 1938.
- YOUNG, P. A. Resistance of tomato varieties to *Fusarium lycopersici*. (Abstract) *Phytopathology* 29: 25. Jan. 1939.

Utah

- CARLSON, J. W. The effect of *Lygus* bugs and other factors on seed production. *Alfalfa Impr. Conf. Rpt.* 6(1938): 7-9. 1938. Mimeographed.
- KNOWLTON, G. F., and HARRISTON, F. C. Notes on Utah *Placoptera* and *Trichoptera*. *Ent. News* 49: 284-286. Dec. 1938.
- STEVENS, K. R. Chemical nature of organic matter in differently cropped arid soils. *Soil Sci.* 47: 27-31. Jan. 1939.

Vermont

- WALKER, L. S. Report on feeding stuffs. *Jour. Assoc. Off. Agr. Chem.* 21: 594. Nov. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Virginia

- BOBB, M. L. A progress report on ethylene dichloride for peach tree borer control. Va. State Hort. Soc. Proc. 43(1938): 131-136. 1939.
- COOK, H. T., and NUGENT, T. J. The Hawkesbury watermelon, a promising wilt-resistant variety. (Abstract) Phytopathology 29: 5. Jan. 1939. (Va. Truck)
- GROVES, A. B. Fungicides and injuries to fruits and foliage. Va. State Hort. Soc. Proc. 43(1938): 122-123. 1939.
- GROVES, A. B. Observations on the supposed colloidal state of sulphur in fused bentonite sulphur. (Abstract) Phytopathology 29: 8. Jan. 1939.
- GROVES, A. B. Particle size of elementary sulphur fungicides. Phytopathology 29: 8. Jan. 1939.
- HARRAR, J. G., MILLER, L. I., and WINGARD, S. A. Cultural studies on a species of Entomophthora from the apple leaf hopper (*Typhlocyba pomaria*). (Abstract) Phytopathology 29: 9. Jan. 1939.
- HOUGH, W. S. The present status of scale and aphids and their control. Va. State Hort. Soc. Proc. 43(1938): 162-165. 1939.
- HURT, R. H. Bitter rot in Virginia and its control. Va. State Hort. Soc. Proc. 43(1938): 58-60. 1939.
- HURT, R. H. Bordeaux mixture as a summer fungicide for peaches. (Abstract) Phytopathology 29: 11. Jan. 1939.
- HURT, R. H. Peach fungicides. Va. State Hort. Soc. Proc. 43(1938): 137-139. 1939.
- HURT, R. H. Removal of spray residue with sodium hydroxide, sodium carbonate, and acetic acid. (Abstract) Phytopathology 29: 12. Jan. 1939.
- JOHNSON, E. P., and LANGE, C. J. Blood alterations in typhlohepatitis of turkeys with notes on the disease. (Abstract) Jour. Parasitol. 24: (Sup.) 12-15. Dec. 1938.
- MILLER, L. I., BATTON, E. T., and WINGARD, S. A. Control of Cercospora leaf spot of peanut with copper and sulphur fungicides. (Abstract) Phytopathology 29: 18. Jan. 1939.
- NUGENT, T. J., and COOK, H. T. Chlorpicrin as a seed disinfectant of black rot of kale. (Abstract) Phytopathology 29: 19. Jan. 1939. (Va. Truck)
- PINCKARD, J. A. (With L. SHAW) Downy mildew infection of flue-cured tobacco in the fields. Phytopathology 29: 79-83. Jan. 1939.

Washington

- BENDIXEN, H. A. Acid values and acid ratios as related to the keeping quality of salted butter. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 50-60. [1938] Mimeographed.
- GOLDING, W. S. Pasteurized milk - its status in nutrition and public health. Wash. State Col. Inst. Dairying 11(1938): 104-109. 1938.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Washington (continued)

- HODGSON, R. E., and KNOTT, J. C. A comparison of nutrient requirements with nutrient consumption by cows on all roughage rations. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 39-43. [1938] Mimeographed. (In coop. with U. S. Dept. Agr.)
- KNOTT, J. D. A breeding program. Wash. State Col. Inst. Dairying Proc. 11(1938):131-135. 1938. Mimeographed.
- KNOTT, J. C., and HODGSON, R. E. The dry matter consumption of Holstein cows on roughage rations. Amer. Dairy Sci. Assoc. (West. Div.) Proc. 24(1938): 35-38. [1938] Mimeographed.
- McCULLOCH, E. C. Mastitis: what do we know about it? Wash. State Col. Inst. Dairying Proc. 11(1938): 127-130. 1938. Mimeographed.
- MURER, H. K. Tests for pasteurization and heat treatment. Wash. State Col. Inst. Dairying Proc. 11(1938): 74-83. 1938. Mimeographed.
- PROUTY, C. C. Producing clean milk. Wash. State Col. Inst. Dairying Proc. 11(1938): 121-124. 1938. Mimeographed.
- PROUTY, C. C. The Resazurin test. Wash. State Col. Inst. Dairying Proc. 11(1938):72-73. 1938. Mimeographed.

## Wisconsin

- ALLINGTON, W. B. The separation of plant viruses by chemical means. Phytopathology 28: 902-918. Dec. 1938.
- ANDERSON, T. F., and DUGGAR, B. H. Effects of heat on yeast. I. Rate of death of cells which survive moderate treatment. (Abstract) Amer. Jour. Bot. 25:10s. Dec. 1938. (T. F. Anderson, Univ. Wis.)
- BAUMANN, C. A., SEMB, J., HOLMES, C. E., and HALPIN, J. B. The determination of vitamin A in the hen's egg. Poultry Sci. 18: 48-53. Jan. 1939.
- BIRD, H. R., OLESON, J. J., ELVEHJEM, C. A., and HART, E. B. Effectiveness of chondroitin in preventing gizzard erosion in chicks. Jour. Biol. Chem. 126: 671-678. Dec. 1938.
- BRAUN, A. C. (With J. JOHNSON) Natural water-soaking and bacterial infection. (Abstract) Phytopathology 29: 2. Jan. 1939.
- BRINK, R. A., and COOPER, D. C. Partial self-incompatibility in Medicago sativa. Alfalfa Impr. Conf. Rpt. 6(1938):5-7. 1938. Mimeographed.
- COWLES, H. L. (With H. G. AHLGREN) Consumer habits and preferences in the purchase and consumption of canned peas. Canner 88: 26-28, 68, 72. Jan. 7, 1939.
- ELVEHJEM, C. A. Report on biological methods for vitamin B complexes. Jour. Assoc. Off. Agr. Chem. 21: 622-625. Nov. 1938.
- ENGEL, R. W., and PHILLIPS, P. H. The lack of nerve degeneration in uncomplicated vitamin B<sub>1</sub> deficiency in the chick and the rat. Jour. Nutrition 16: 585-596. Dec. 10, 1938.
- HOVE, E., ELVEHJEM, C. A., and HART, E. B. Arsenic in the nutrition of the rat. Amer. Jour. Physiol. 124: 205-212. Oct. 1, 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Wisconsin (continued)

- KEITT, G. W., and CLAYTON, C. H. Spraying experiments for control of coccomyces leaf spot of sour cherry. (Abstract) *Phytopathology* 29: 13. Jan. 1939.
- LEASE, E. J., LEASE, J. G., WEBER, J., and STEENBOCK, H. Destruction of vitamin A on rancid fats. *Jour. Nutrition* 18: 571-583. Dec. 10, 1938.
- LOCKE, S. B., RIKER, A. J., and DUGGAR, E. M. Production of growth substance of peptone broth by crown-gall bacteria and related non-gall-forming organisms. (Abstract) *Phytopathology* 29: 16. Jan. 1939.
- LOWE, J. T., STEENBOCK, H., and KRIEGER, C. H. Cereals and rickets. IX. The availability of phytin-P to the chick. *Poultry Sci.* 18: 40-44. Jan. 1939.
- OLESON, J. J., BIRD, H. R., ELVEHJEM, C. A., and HART, E. B. Additional nutritional factors required by the rat. *Jour. Biol. Chem.* 127: 23-42. Jan. 1939.
- PAVCEK, P. L., PETERSON, W. F., and ELVEHJEM, C. A. Factors affecting the vitamin B<sub>1</sub> content of yeast. *Indus. and Engin. Chem.* 50: 802-805. July 1938.
- PEPPLER, H. J., and FRAZIER, W. C. The heat resistance of lactic acid bacteria grown with Mycoderma. *Jour. Bact.* 36: 664-665. Dec. 1938. (H. J. Peppler, Univ. Wis.)
- PEPPLER, H. J., and FRAZIER, W. C. Influence of methods of handling thermotolerant lactics on the heat resistance of subcultures. *Jour. Bact.* 36: 653. Dec. 1938. (H. J. Peppler, Univ. Wis.)
- POTTER, V. R., ELVEHJEM, C. A., and HART, E. B. Anemia studies with dogs. *Jour. Biol. Chem.* 26: 155-173. Nov. 1938.
- RIKER, A. J. The influence of crown gall and hairy root on growth of young apple trees. (Abstract) *Phytopathology* 29: 21. Jan. 1939.
- SCHAEFER, C. W. Physiological conditions which produce wing development in the pea aphid. *Jour. Agr. Research [U. S.]* 57: 825-841. Dec. 1, 1938.
- STARK, W. H., STADLER, J., and MCCOY, E. Some factors affecting the bacterial population of freshwater lakes. *Jour. Bact.* 36: 653-654. Dec. 1938. (W. H. Stark and J. Stadler, Univ. Wis.)
- WALKER, J. C. (With J. P. JOLIVETTE and J. C. McLELLAN, Univ. Wis.) Internal black spot of canning beets and its control. *Canning Age* 19: 489-491, 508. Dec. 1938.
- WIESE, A. C., and JOHNSON, E. C. A new method for the microdetermination of manganese in biological materials. *Jour. Biol. Chem.* 127: 203-209. Jan. 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1939\*

## Alabama

- IVEY, J. E. 4-H poultry club projects. (Ala. Poly. Inst. Ext. Circ. 162.) Auburn, 1938.
- DAVIS, P. O. Extension work: A report of Extension work in agriculture and home economics in Alabama in 1937. (Ala. Poly. Inst. Ext. Circ. 163.) Auburn, 1938.
- GIST, F. W. Agriculture in Alabama: (1) Its deficiencies (2) Its needs (3) Its opportunities. (Ala. Poly. Inst. Ext. Circ. 164.) Auburn, 1938.
- LOWERY, J. C. Crimson clover. (Ala. Poly. Inst. Ext. Pamph. 7, rev.) Auburn, 1938.
- PICKENS, NELL Family planning. (Ala. Poly. Inst. Ext., The Business Side of Homemaking, Demon. [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Alteration of plain pattern. (Ala. Poly. Inst. Ext. Clothing Construction and Dress Design, Demon. [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Clothes closet. (Ala. Poly. Inst. Ext. Clothing Construction and Dress Design, [Demon.] [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Color foundation for a clothing plan. (Ala. Poly. Inst. Ext. Clothing Construction and Dress Design, Demon. [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Fitting a plain pattern. (Seam finishes) (Ala. Poly. Inst. Ext. Clothing Construction and Dress Design Demon. [unnumb.]) Auburn, 1938.
- DEAN, Dorothy Homemade dresses for the little girl; homemade suits for the small boy. (Ala. Poly. Inst. Ext. Clothing Construction and Dress Design, Demon. [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Buying a cloth coat. (Ala. Poly. Inst. Ext. Clothing for the Family, Demon. [unnumb.] [rev.]) Auburn, 1938.
- DEAN, DOROTHY Good grooming (Care of skin) (Ala. Poly. Inst. Ext. Clothing the Family, Demon. [unnumb.] [rev.]) Auburn, 1938.
- Foods, clothing, home management. (Ala. Poly. Inst. Ext. Directions for Leaders, [Demon.] [unnumb.]) Auburn, 1938.
- PICKENS, NELL Business centers for the home. (Ala. Poly. Inst. Ext. Equipment for the Farm Home Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Essential equipment for farm homes. (Ala. Poly. Inst. Ext. Equipment for the Farm Home Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Homemade furniture. (Ala. Poly. Inst. Ext. Equipment for the Farm Home, Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Small equipment and utensils. (Ala. Poly. Inst. Ext. Equipment for the Farm Home, Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Desirable standards for planning the farm home. (Ala. Poly. Inst. Ext. The Farm Home, Demon. [unnumb.]) Auburn, 1938.

---

\* Prepared in the Office of Experiment Stations Library.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1938

## Alabama (Continued)

- PICKENS, NELL Living areas. (Ala. Poly. Inst. Ext. The Farm Home, Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Planning work areas. (Ala. Poly. Inst. Ext. The Farm Home Demon. [unnumb.]) Auburn, 1938.
- KENNEDY, HELEN Foods for a balanced diet. (Ala. Poly. Inst. Ext. Foods and Nutrition, Demon. [unnumb.] rev.) Auburn, 1938.
- PICKENS, NELL Color and its use in the home. (Ala. Poly. Inst. Ext. Furnishing the Farm Home Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Decorative objects. Choosing pictures. (Ala. Poly. Inst. Ext. Furnishing the Farm Home, Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Selection of rugs. (Ala. Poly. Inst. Ext. Furnishing the Farm Home, Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Window decorations. (Ala. Poly. Inst. Ext. Furnishing the Farm Home, Demon. [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Cleaning and storing clothes. (Ala. Poly. Inst. Ext. General Care and Renovation of Clothes, Demon. [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Making clothes last (Laundering and stain removal.) (Ala. Poly. Inst. Ext. General Care and Renovation of Clothes, Demon. [unnumb.]) Auburn, 1938
- References, p. 14.
- DEAN, DOROTHY Planning and making an inexpensive wardrobe. (Ala. Poly. Inst. Ext. General Care and Renovation of Clothes, Demon. [unnumb.]) Auburn, 1938.
- DEAN, Dorothy Tinting and dyeing garments. (Ala. Poly. Inst. Ext. General Care and Renovation of Clothes, Demon. [unnumb.]) Auburn, 1938.
- PICKENS, NELL Homemade rugs. (Ala. Poly. Inst. Ext. Renovation of Furniture and Furnishing [unnumb.]) Auburn, 1938.
- PICKENS, NELL Renovation with dyes - Artificial and natural. (Ala. Poly. Inst. Ext. Renovation of Furniture and Furnishings, Demon. [unnumb.]) Auburn, 1938.
- References, p. 11.
- HILL, M. B. E., and WILSON, J. B. Terrace maintenance with turn plow. (Ala. Poly. Inst. Ext., Auburn, 1938.

## California

- HUGHES, E. H., and FELDMILLER, L. W. Pork production in California. (Calif. Agr. Col. Ext. Circ. 15, rev.) Berkeley, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1939  
(continued)

## Connecticut

- PERREGAUX, E. A., and PUTNAM, P. L. Credit available to farmers in Connecticut (Conn. State Col. Ext. Bul. 269.) Storrs, 1938.  
WILKINSON, A. E. Lettuce, iceberg type. (Conn. State Col. Ext. Bul. 268.) Storrs, 1938.  
Revision of Bul. 191.

## Georgia

- CALHOUN, J. L. A portable motor for Georgia farms. (Ga. Agr. Col. Ext. Bul. 467.) Athens, 1939.  
Outlook for Georgia agriculture in 1939. (Ga. Agr. Col. Ext. Bul. 468.) Athens, 1938.  
JOHNSON, G. I. Brick brooders. (Ga. Agr. Col. Ext. Circ. 167, rev.) Athens, 1939.  
JOHNSON, G. I. Terrace maintenance. (Ga. Agr. Col. Ext. Circ. 260, rev.) Athens, 1939.

## Indiana

- SKINNER, J. H. Twenty-seventh annual report of Purdue University, Department of Agricultural Extension, Lafayette, Indiana, July 1, 1937 to June 30, 1938. Purdue Univ., Dept. Agr. Ext., Lafayette, 1938.

## Kansas

- Radio station KSAC, 1939. Kans. State Col. Ext., Manhattan, 1939.

## Maine

- MONROE, M. M., and COBB, E. M. Buying and using kerosene stoves. (Maine Agr. Col. Ext. Bul. 251.) Orono, 1938.  
DEERING, A. L. Annual report of the Maine Extension service for the year ending June 30, 1938. (Maine Agr. Col. Ext. Bul. 254.) Orono, 1938.  
REED, F. D. Grow good pullets for flock replacement. (Maine Agr. Col. Ext. Circ. 121.) Orono, 1938.  
REED, F. D. Stepping-stones to poultry profits. Step the first: Start chicks early. (Maine Agr. Col. Ext. Circ. 122.) Orono, 1939.  
REED, F. D. Stepping stones to poultry profits: The second step: Secure chicks from pullorum clean stock. (Maine Agr. Col. Ext. Circ. 124.) Orono, 1939.  
REED, F. D., and HUBER, M. G. Range shelters for chickens. (Maine Agr. Col. Ext. Circ. 123.) Orono, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1939  
(Continued)

Maryland

KELLER, V. H. A new touch on the old furniture. (Md. Univ. [Agr.] Ext. Bul. 49 (rev.)) College Park, 1939.

Michigan

RATHER, H. C., and others. Hybrid corn and its place in Michigan. (Mich. State Col. Ext. Bul. 195.) East Lansing, 1939.

Minnesota

HARVEY, A. L. Using horses on the farm. (Minn. Univ. Agr. Ext. Bul. 145, rev.) University Farm, St. Paul, 1938.  
HUTCHINS, A. E. Vegetable gardening. (Minn. Univ. Agr. Ext. Bul. 174, rev.) University Farm, St. Paul, 1938.  
BILLINGS, W. A., and COOKE, C. Healthy chicks make hearty hens. (Minn. Univ. Agr. Ext. Folder 21, rev.) University Farm, St. Paul, 1938.  
BROOKINS, W. W. More profits from malting barley. (Minn. Univ. Agr. Ext. Folder 68.) University Farm, St. Paul, 1938.  
Dairy and poultry outlook, Minnesota - 1939. (Minn. Univ. Agr. Ext. Pamph. 55.) University Farm, St. Paul, 1938.  
Minnesota livestock outlook for 1939. (Minn. Univ. Agr. Ext. Pamph. 56.) University Farm, St. Paul, 1938.  
CRIM, R. F. Minnesota hybrid corn field trials, 1938. (Minn. Univ. Agr. Ext. Pamph. 57.) University Farm, St. Paul, 1939.  
THOMPSON, M. J. Engineering in the farm calendar. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 82) University Farm, St. Paul, 1939.  
WAITE, W. C. Farm income in Minnesota. (Minn. Univ. Agr. Ext. Farm Business Notes no. 192.) University Farm, St. Paul, 1938.  
BOSS, A. Economy- the keynote in the 1939 farm program. (Minn. Univ. Agr. Ext. Farm Business Notes no. 193.) University Farm, St. Paul, 1939.

Mississippi

BEANBLOSSOM, F. Z. Grow healthy chicks. (Miss. State Col. Ext. Bul. 102.) State College, 1938.  
MONOSMITH, R. O., and DONEY, M. E. Instructions for 4-H garden and canning club girls. (Miss. State Col. Ext. Bul. 103.) State College, 1938.  
Girls' 4-H club standards handbook. (Miss. State Col. Ext. Circ. 88, 2d rev.) State College, 1938.

Missouri

IBACH, D. B., and STEELE, H. B. New systems on northwest Missouri upland farms. (Mo. Agr. Col. Ext. Circ. 391.) Columbia, 1938.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1939

Missouri (Continued)

CARL, F. L. Canning fruits and vegetables. Mo. Agr. Col. Ext. [rev.]  
Columbia, 1938.

Nebraska

Poultry feeds and feeding. (Nebr. Agr. Col. Ext. Circ. 1463, rev.) Lincoln,  
1938.

New Hampshire

MARSDEN, T. A., Jr. Trees which may be used for landscape planting in New  
Hampshire. (N. H. Univ. [Agr.] Ext. Ornamental Horticulture and Vegetable  
Gardening, Nov./Dec. 1938, p. 1-2.) Durham.  
Suggestions for replacing trees lost in the hurricane.

New Jersey

HEADLEE, T. J. Spraying recommendations for peaches. (N. J. Agr. Col. Ext.  
Bul. 203.) New Brunswick, 1939.  
HEADLEE, T. J., and others. Spraying recommendations for grapes. (N. J.  
Agr. Col. Ext. Bul. 204) New Brunswick, 1939.  
HEADLEE, T. J., and others. 1939 spraying recommendations for apples.  
(N. J. Agr. Col. Ext. Bul. 205.) New Brunswick, 1939.

New York

List of publications issued by the Cornell University Agricultural Experiment  
Station and the New York State Colleges of Agriculture and Home Economics.  
(N. Y. Agr. Col. (Cornell) Ext. Bul. 47, rev.) Ithaca, 1938.

North Dakota

ANDERSON, E. C. North Dakota farm outlook, 1938. (N. Dak. Agr. Col. Ext.  
Circ. 165.) State College Station, Fargo, 1938.

Ohio

BEACH, F. H. Pruning fruit trees. (Ohio Agr. Col. Ext. Bul. 145, 7th ed.,  
[rev.]) Columbus, 1938.  
SALTER, R. M., and others. Our heritage, the soil. (Ohio Agr. Col. Ext.  
Bul. 175, 2d ed., [rev.]) Columbus, 1938.

Oklahoma

MOORING, D. C. The home acre orchard. (Okla. Agr. Col. Ext. Circ. 163,  
rev.) Stillwater, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1939

## Oklahoma (Continued)

- BOEHR, J. W. 4-H dairy management manual. (Okla. Agr. Col. Ext. Circ. 173, reprint [i. e. rev.]) Stillwater, 1938.
- McPHEILERS, H. H. Home canning of meat. (Okla. Agr. Col. Ext. Circ. 240, rev.) Stillwater, 1938.
- DANIEL, E. R. Farm home sanitation. (Okla. Agr. Col. Ext. Circ. 283, rev.) Stillwater, 1938.
- STILES, C. F. 4-H club insect manual. (Okla. Agr. Col. Ext. Circ. 355, reprint [i. e. rev.]) Stillwater, 1938.
- SCHOLL, E. E. 30th anniversary edition. A better rural life ... Twenty-fifth annual report. A preliminary report of the work of the Oklahoma Extension service for 1938. (Okla. Agr. Col. Ext. Circ. 535.) Stillwater, 1938.

## Oregon

- THOMAS, M. D., and others. Production and income statistics for certain specialty farm products, Oregon- 1936. (Oreg. State Col. Ext. Circ. 318.) Corvallis, 1938.  
Processed.
- THOMAS, M. D., and others. Production and income statistics for certain specialty farm products, Oregon, 1937. (Oreg. State Col. Ext. Circ. 319.) Corvallis, 1938.
- McWHORMER, O. T. Pruning suggestions for fruit trees. (Oreg. State Col. Ext. Circ. 320.) Corvallis, 1938.  
Himeographed.

## South Carolina

- CUSHMAN, C. G., and others. Kudzu in South Carolina; its value for forage, grazing and soil improvement. (Clemson Agr. Col. (S. C.) Ext. Circ. 164.) Clemson, 1938.
- CLARK, C. H., and RAWL, E. H. The agricultural outlook for South Carolina- 1939. (Clemson Agr. Col. (S. C.) Ext. Circ. 165.) Clemson, 1939.
- Looking ahead to better farm family living in South Carolina, 1939. (Clemson Agr. Col. (S. C.) Ext. Circ. 166.) Clemson, 1938.
- Better living for farm families. (Clemson Agr. Col. (S. C.) Ext. Circ. 167.) Clemson, 1938.
- McGEE, R. A. Preparing and planting tobacco plant-beds. (Clemson Agr. Col. (S. C.) Ext. Inform. Card 51.) Clemson, 1938.
- HAWKINS, J. R. The home butchering and curing of pork. (Clemson Agr. Col. (S. C.) Ext. Inform. Card 52.) Clemson, 1939.

## Utah

- PETERSON, W. Rural Utah builds for better living. A report of the Utah Extension service for the biennium 1936-1938. (Utah Agr. Col. Ext. Circ. N. S. 97.) Logan, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1939

(Continued)

## Vermont

- TARRANT, L. Potato recipes. (Vt. Agr. Col. Ext. Brieflet 511.)  
Burlington, 1938.  
Mimeographed.
- TARRANT, L. Food fads and fallacies. (Vt. Agr. Col. Ext. Brieflet 512.)  
Burlington, 1938.  
Mimeographed.
- TARRANT, L. Meal planning guide for a minimum-cost diet; meal planning guide  
for a moderate-cost diet. (Vt. Agr. Col. Ext. Brieflet 513.) Burlington,  
1939.
- SOMMERFELD, E. Equipping the sewing box and the sewing center. (Vt. Agr.  
Col. Ext. Brieflet 514.) Burlington, 1939.  
Mimeographed.
- HILLS, J. L. How to lessen the content of lead in maple products (Progress  
report). Vt. Agr. Col. Ext., Burlington, 1938.
- SOMMERFELD, E. The 1938 Vermont 4-H dress revue. Vt. Agr. Col. Ext.,  
Burlington, [1938].  
Processed.

## Washington

- POND, E. 4-H home efficiency club outline. (Wash. State Col. Ext. 4-H  
Circ. 50.) Pullman, 1938.

## West Virginia

- HUMPHREYS, G. Incomes of West Virginia families. (W. Va. Agr. Col. Ext.  
Good Living Ser. VII, Lesson no. 1, Adventures in Community Living.)  
Morgantown, [1939].
- PRUDENT, I. Communities famous for food. (W. Va. Agr. Col. Ext. Good  
Living Ser. VII, Lesson no. 2, Adventures in Community Living.) Morgan-  
town, [1939].

## Wisconsin

- Which is which? Field bindweed or wild morning glory. This color chart shows  
the difference. (Wis. Agr. Col. Ext. Poster Circ. [unnumb.]) Madison,  
1938.
- Reciprocal trade agreements and Wisconsin dairying. (Wis. Agr. Col. Ext.  
Spec. Circ. Econ. Inform. for Wis. Farmers v. 9, no. 12.) Madison, 1938.
- 4H leaders' handbook. Wis. Agr. Col. Ext. Spec. Circ. [unnumb.] rev.)  
Madison, 1938.

## Wyoming

- WILLIS, A. W. The Wyoming agricultural situation, 1939. (Wyo. Agr. Col.  
Ext., Laramie, [1938].  
Mimeographed.



NOTES ON PERIODICALS  
New, Changed, and Discontinued

- Bienen-vater. Wien. Ceased with Jahrg. 70, nr. 3, Sept. 1933. Replaced by Der Donauland-imker (formerly Der Oberösterreichische imker) Linz.
- Commerce clearing house, inc. Congressional index service. 205 West Monroe Street, Chicago; Muncy Building, Washington, D. C.; Empire State Bldg.; New York. Irreg. 80 76th Congress, 1939-1940. \$12.50 per volume?
- Dairy councilor. Chicago. Revived with v. 2, no. 3, July 1938. (Title changed from Dairy councilor to Dairy councilor)
- Der Donauland-imker. Verbandszeitschrift der Landesfachgruppe imker Donauland. Linz, Austria, Altstadt 15. (Published by Reichsfachgruppe imker e.v., Berlin.) no. 80 Jahrg. 49, nr. 10, Oct. 1938. (Title changed from Der Oberösterreichische imker with Jahrg. 49, nr. 11, Nov. 1933) Free to members. (Membership, after Apr. 1939: Mitglieder mit 1 bis 30 völkern, .50 RM; 31 bis 100 völkern, 1.- RM., über 100 völkern, 2.- RM.)
- French West Africa. Inspection générale de l'élevage. Bulletin des Services zootechniques et des épizooties. Gouvernement général de l'Afrique occidentale française. Inspection générale de l'élevage, Dakar (Sénégal) quar. il. 80 t.1, fasc.1, Jan. 1938. No price given. (Sent free to those who will send publications in exchange)
- Mikrochimica acta. Wien. Ceased with Bd. 5, hft. 1, July 28, 1938. Combined with Mikrochimie to form Mikrochemie vereinigt mit Mikrochimica acta.
- N. Z. honeybee. 298 Remuera Rd., Auckland, SE 2. no. 80 Vol. 1, no. 1, Aug. 30, 1937. 3/6, post free.
- Oxford economic papers. Oxford, Eng., Clarendon press. Frequency not given. 80 no. 1, Oct. 1938. Price not given.
- The Review of politics. Published quarterly by the University of Notre Dame, Notre Dame, Indiana. 80 v. 1, no. 1, Jan. 1939. 2.50 a year.
- România viticolă; revistă lunară de viticultură și enologie. Redacția și administrația, Institutul de cercetări agronomice al României. Bulevardul Mărăști nr. 61 București II. il. 40 anul 2, nr. 2, Feb. 1938. Abonamentul anual, lei 250.
- South African forestry association. Journal. S. A. Forestry Association, P. O. Box 334. Pretoria. semi-annual. il. 80 no. 1, Oct. 1938. Price to non-members: 6/- net.
- South American journal and Brazil & river plate mail. 52, Queen Victoria Street, London, E.C.4. £2 5s. per annum.
- The Tanager. Chicago. Changed to Times with v. 17, no. 1, Jan. 1939.
- Times wild life. Austin, Tex. v. 1, no. 1, Oct. 1938, the only issue. Superseded by Southwestern sports magazine, Waco, Tex., August 1937.
- Verh. d. St. u. Nat. u. Naturf. Pr. u. d. il. 40 v. 1, fasc. 3/9, Sept. 1938. (Formerly issued in Chronik u. Naturf. supplement with separate paging) Continues old numbering and pagination.

-----  
SELECTED LIST OF XEROGRAPHED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during January 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Agricultural Adjustment Administration

Bases for evaluating present-day college education. By Margaret Justin. 1938. 13 p. Paper read at Chicago meeting of Association of land-grant colleges and universities, November 14, 1938, by Margaret Justin, Division of home economics, Kansas State College. Issued by Program study and discussion section. 1.94 Ad472B

Changes in the production of feed crops in the cotton belt. Talk by J. B. Hutson, assistant administrator, at annual meeting of American farm bureau federation, New Orleans, La. Dec. 12, 1938. 11 p. 1.94 T55H

Diversion of cotton and cotton products from their normal channels of trade, January 1939. By Lawrence Myers, E. H. Omohundro, and N. B. Salant. 124 p. (DM & MA MS-41) Issued by Marketing section. 1.94 Ad47Ms

Palatability list of important range species (approved by inter-agency range survey committee) Arizona and New Mexico, 1939. 9 p. Issued by Western region. 1.42 W52Rf

Recommendations with respect to the development of a unified agricultural program on an experimental basis in each of the 48 states. 1939. 8 p. Issued by Division of program planning. 1.94 Ad472Rec

Summary of conference of potato growers. December 29 and 30, 1938. 7 p.

Bureau of Agricultural Economics

Adapting farm management research to new opportunities. By Sherman E. Johnson, in charge, Division of farm management and costs. 1938. 7 p. Address at Annual meeting of American farm economic association, Detroit, Mich., December 28, 1938. 1.9 Ec762J

Car-lot shipments of fruits and vegetables by commodities, states, and months (including boat shipments reduced to car-lot equivalents). Calendar year 1937. December 1938. 27 p. 1.9 Ec742Ca

Cost of production of citrus fruits; data from studies in California and Florida; selected years 1910-37. Compiled from official sources by H. W. Hawthorne. December 1938. 107 p. 1.9 Ec762Cc

---

\* Bibliographies included in general list of bibliographies on page 63.

\*\*For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF MICROGRAPHED PUBLICATIONS

## Bureau of Agricultural Economics (continued)

Direct buying of slaughter livestock by regions 1923-37. By Knute Bjorka.  
January 1939. 28 p. 1.9 Ec713Di

Facts relating to the production of citrus fruits 1919-20 to 1937-38.  
Statement prepared for hearings before the Interstate commerce commission on estimated weights on citrus fruits, 1 and S Docket no. 4511, Orlando, Fla. Oct. 31, 1933. 14 p. 1.9 Ec71Fac

Farm-mortgage recordings [by states]. Arizona, 9 p; Arkansas, 9 p; Kansas, 9 p; Montana, 9 p; Nevada, 7 p; Texas, 9 p; Utah, 10 p. Jan. 1939  
1.9 Ec78Fmr

Farm production and disposition - chickens and eggs. 1925-1937. Chickens on farms, January 1, 1925-1938. By states. December 1938. 57 p.  
1.9 Ec71Fpc

Farm returns 1937, with comparisons. Summary of reports of farm operators for the calendar year. January 1939. 6 p. 1.9 Ec7Far

Graphic methods used in presenting agricultural economics to the public.  
By R. G. Hainsworth, in charge of graphic section. 18 p. 1938.  
Address, American farm economics association, Detroit, Michigan, Dec., 29, 1938. 1.9 Ec7Gr

Income parity for agriculture. Part 3. Prices paid by farmers for commodities and services. Section 3. Telephone rates to farmers in the United States 1910-14, 1924-29, 1932, and 1935-36. Preliminary. Issued Dec. 1938. In cooperation with the U. S. Agricultural adjustment administration and U. S. Bureau of home economics. 1.9 Ec7Inp

Missouri cotton: estimated acreage, yield, and production 1928-1937. By counties. Office of the Agricultural statistician, 209 Post Office Building, Columbia, Missouri. January 1939. 4 p.

Personnel in rural sociology; teachers, research workers, extension workers. October 1, 1938. 20 p. 1.9 E223D

Selected agricultural outlook charts for vocational agricultural teachers. 1939. October 1938. 106 p. 1.9 Ec7AgrCh

Tobacco market review-Type 12. Eastern North Carolina flue-cured, 1938/39 season. Jan. 20, 1939. 4 p. 1.9 Ec714T

Utilization of cotton and other materials in fertilizer bags. By R. J. Cheatham and Robert B. Evans. January 1939. 25 p. 22d of a series by the Bureau of agricultural economics relating to the utilization of American cotton. 1.9 Ec733Ut



-----  
SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS  
(continued)

Bureau of Animal Industry

Artificial insemination of livestock. By W. V. Lambert. Jan. 1939.  
7 p. (A.H.D. no. 29) Issued by Animal husbandry division. 1.9 An52Ah

Conference on the Federal meat inspection service, Hotel Morrison, Chicago, Illinois, June 6 and 7, 1938. 81 p. Issued by Meat inspection division. 1.9 An537C

Notes on the care of saddle horses. Jan. 1939. 2 p. (A.H.D. no. 30)  
1.9 An52Ah

Bureau of Biological Survey

Big-game inventory of the United States, 1937. 1939. 13 p. (Wildlife Research and Management Leaflet BS-122) Issued by the Section of Wildlife Surveys, Division of Wildlife Research. 1.9 B524W

Research in fur-animal conservation and utilization. Extract (pages 26 to 31) from Annual report of Chief, Bureau of Biological survey, for the fiscal year ended June 30, 1938. 9 p. 1.9 B524R

Bureau of Dairy Industry

Outline of dairy cattle breeding projects. Revised Jan. 16, 1939. 7 p.  
(BDIM-729) 1.9 D1430

Bureau of Entomology and Plant Quarantine

Japanese beetle control operations during 1938. December 30, 1938. 12 p.  
1.9 En86D

Extension Service

4-H club work marches on; a review of achievements in 1937. By C. A. Sheffield, field agent, southern section, Division of cooperative extension. December 1938. 22 p. (Extension service circular no. 297) 1.9 Ex892Esc

Home economics extension objectives as they relate to the training of extension workers. By Gladys Gallup. January 1939. 14 p. (Extension service circular no. 298) 1.9 Ex892Esc

The national 4-H music hour; a decade of radio music for the 4-H clubs. 1930-39. By Ray A. Turner. 1939. 16 p. 1.9 Ex891Na

-----  
SELECTED LIST OF MINEOGRAPHED PUBLICATIONS  
 (continued)

Farm Security Administration

Farm family record book; classified entries. 1938. Multilithed. 1.5 F23

Homesteads. Jan. 1, 1939. 12 p. 1.95 H751

The principles of conference planning for training purposes. Address by Paul V. Maris, director of Tenant purchase division, before the Annual conference of personnel advisers, Farm security administration, Oct. 12, 1938. 23 p. 1.95 T25A

Shall I repay my tenant purchase loan under the fixed payment plan or under the variable payment plan? The following questions and answers will help you decide. 1939. 4 p. 1.95 T25S

Suggestions to prospective settlers in Idaho, Washington, and Oregon. Nov. 1938. 23 p. Issued by Region XI, Portland, Oregon. 1.9511 Su3

Two years of progress with the Farm security administration. The negro shares in a new approach to the problems of rural people; a presentation made by Joseph H. B. Evans, to the National conference on the problems of the negro and negro youth. Jan. 12, 13, 14, 1939. 16 p. 1.95 Ad8E

Forest Service

American woods; basswood, (*Tilia glabra*) By H. S. Betts. Aug. 1938. 8 p;  
 American woods; eastern spruce. By H. S. Betts. Oct. 1938. 8 p;  
 American woods; tupelo. By H. S. Betts. Oct. 1938. 11 p. 1 F76Am

Calculations of the void volume in wood. By Alfred J. Stamm. December 1938. 4 p. (R1188) Published in Industrial and Engineering chemistry, 30: 1280 (1938). Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R

Compilation of state laws on forestry...for state of Puerto Rico. 1939; for state of New York. 1939; for state of New Hampshire. 1939; for state of Minnesota. 1939. Issued by Division of state cooperation. 1.9 F761C

Condensation problems in farm buildings. By L. V. Teesdale. Presented at fall meeting of American Society of agricultural engineers. Chicago, Ill., Nov. 30, 1938. 7 p. (R-1186) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R

Contributions of synthetic resins to improvement of plywood properties. A paper presented by Dan Brouse, Engineer Forest products laboratory... at a symposium on synthetic resin bonding at the Franklin Institute, Philadelphia, Pa., Jan. 10, 1939. [N.Y. Bakelite Corp. 1938] 11 p. 1.9 E761Cs

SELECTED LIST OF NIMEOGRAPHED PUBLICATIONS

## Forest Service (continued)

- Exploring the labyrinth of cellulose and lignin. By E. C. Sherrard.  
Sept. 1938. 5 p. (R1189) Published in Journal of forestry, v. 36;  
882-85, Sept. 1938. Issued by Forest products laboratory, Madison,  
Wisconsin. 1.9 F761R
- Forest research in the United States. Prepared by The Lake States forest  
experiment station, Forest service, United States Department of agri-  
culture in cooperation with the Committee on forestry, Division of biology  
and agriculture, National research council. Nov. 1, 1938. 1938.  
Issued by Forest experiment station, Lake States, St. Paul, Minnesota.  
138 p. 1.9 F7625Fr
- Forest statistics for Columbia county, Oregon, from the inventory phase of  
the Forest survey. Dec. 1938. 9 p. Issued by the Forest and range  
experiment station, Pacific northwest, Portland, Oregon. 1.9 F7629Fst
- Recent progress on housing research at the Forest products laboratory. By  
L. J. Markwardt. Sept. 1938. 14 p. (R-1193) Presented before the  
Engineering society of Wisconsin, Madison, Wisconsin, March 18, 1938.  
Issued by the Forest products laboratory, Madison, Wisconsin, 1.9 F761R
- Research in forest products. Annual report of Forest products laboratory.  
1938. August 1938, by the Forest products laboratory, Madison,  
Wisconsin. 8 p. 1.9 F761Re
- Testing wood preservatives. Dec. 1938. 12 p. (R-1190) Issued by Forest  
products laboratory. Madison, Wisconsin. 1.9 F761R
- Timber requirements of the hardwood distillation industry. By M. H.  
Haertel. A progress report of the Forest survey. Requirements phase.  
Frank J. Hallauer, in charge. Raymond D. Garver, director. Dec. 1938.  
64 p. 1.9 F769T1
- The tree of life; study suggestions to accompany motion picture of same  
title. Picture by Allen Lucy; study guide by Ward P. Board. 1938.  
17 p. 1.9 F76T1

## Bureau of Plant Industry

- Revised register of physiologic races of leaf rust of wheat (*Puccinia  
tritricina*). By H. B. Humphrey, C. O. Johnston, R. M. Caldwell, and  
Leroy E. Compton. Jan. 1939. 18 p. Issued by Division of cereal  
crops and diseases. 1.9 P6917Rn
- Soil surveys of New Jersey. 1938. 3 p; Maryland. 1938. 3 p; Michigan. 1939.  
3 p; Louisiana. 1938. 3 p; Texas. 1939. 5 p. 1.9 So32



-----  
HOOKER SCIENTIFIC LIBRARY  
Central College, Fayette, Missouri

One of the new journals just received by the U. S. Department of Agriculture Library is the Record of Chemical Progress published by the Friends of the Hooker Scientific Library, Central College, Fayette, Missouri. The first number, which is for January 1939, has as its opening article a brief biography of Samuel Cox Hooker (1864-1935) written by Dr. C. A. Browne, Bureau of Chemistry and Soils, U. S. Department of Agriculture, and condensed from his longer article in the Journal of the Chemical Society 550 (1936). From this article are taken the following paragraphs giving brief biographical data about Dr. Hooker and a description of the Hooker Library:

"The death of Dr. Samuel Cox Hooker at his home in Brooklyn, N. Y., on October 12, 1935, removed from the ranks of American chemists one of its most remarkable figures. He was born on April 19, 1864, at Benchley, in the County of Kent, England. His father, John Marshall Hooker, was the son of Stephen Hooker. His mother was Ellen Cox, daughter of Samuel Cox of St. Heliers, Jersey.

"Shortly after Hooker's birth his parents moved to South Kent, and after a brief interval to Sevenoaks. It was here that he spent most of his childhood and received his preliminary education, chiefly at Queen Elizabeth's Grammar School. At the age of 17 he was the head of his classes...

"Young Hooker in 1881 entered the Government Science School at South Kensington, London, of which Professor Huxley was then the head... He made rapid progress in his scientific studies and after two years was awarded a prize for advanced scholarship in chemistry.. In 1884 young Hooker left London to continue his chemical studies at Munich... Hooker's excellent preparation in chemistry and his brilliant research upon retene enabled him to obtain his Ph. D. degree at Munich in the remarkably short period of one year. He had meanwhile come to the conclusion that America offered the best opportunity for his chemical future and immediately after taking his degree came to the United States in the hope of being able to continue his organic research work at one of its universities. Being unsuccessful in this, he obtained a position as chief chemist with the Franklin Sugar Refining Co. in Philadelphia, in the latter part of 1885..."

When the Franklin Sugar Refining Co. was later purchased by the American Sugar Refining Co., Dr. Hooker's allegiance was transferred to the latter company.

"His promotion thereafter was rapid, and he soon became one of the leading consultants of his corporation on all matters pertaining to sugar manufacture and refining...

"In 1909 Hooker was appointed to the board of directors of the American Sugar Refining Co. and shortly thereafter moved his residence from Philadelphia to Remsen Street, Brooklyn, where he spent his remaining days.

"Hooker had long cherished the plan of retiring from business, so soon as he had acquired a competency, in order to enjoy a well-earned leisure and to realize the fulfillment of certain long-deferred

-----  
HOOKEE SCIENTIFIC LIBRARY  
(continued)

plans. He therefore resigned from the directorship of his company in 1915, thus closing his long productive connection of thirty years with the American sugar industry.

"Having shaken off all business cares and responsibilities, he was ready to take up with characteristic zest and thoroughness lines of activity in which he had long maintained an interest. The first of these was the resumption of the organic research work upon lapachol--- Another pursuit which engaged much of Hooker's time was the building up of his magnificent scientific library. He commenced the accumulation of scientific books early in life and was constantly adding to his collections, even during his period of industrial activity. The enlargement of this library, especially in the acquisition of rare sets of journals, was pursued very energetically by Hooker in his later years, with the result that he finally possessed one of the most complete chemical libraries in the world.

"Dr. Hooker's objective was to make this library the most complete chemical library in the world. At his death he felt his objective was really accomplished. It comprises a collection of over 21,000 volumes, 18,820 of which are volumes of periodicals, and, of course, written in many foreign languages in addition to English. Besides pure chemistry other fields represented are sugar technology, pharmacology, metallurgy, dyes, photography, physics, astronomy, and biology.

"One of the many extraordinary items is a complete set of the Philosophical Transactions of the Royal Society of London from its commencement in 1665. The earlier volumes include the bookplate of Richard Arkwright, the inventor of the spinning jenny. It includes many volumes which were at one time owned by the late Sir William Crookes. Dr. Hooker assembled his library from many sources, both in this country and abroad, building it from the best available copies and guarded them from careless hands. One special object was to make all sets complete. Examples of American complete sets are: American Journal of Science, beginning 1818, and the Journal of the Franklin Institute from 1826.

"In 1936 through the assistance of William R. Warner and Co. New York and St. Louis, the library was acquired by Central College, Fayette, Missouri, and three of Dr. Hooker's children presented to the college their father's private research laboratory and his study. The library, laboratory, and study have been reconstructed as far as possible in order to duplicate the original arrangements and constitute a permanent memorial to Dr. Hooker..."





# AGRICULTURAL LIBRARY NOTES

## CONTENTS

Vol. 14

March 1939

No. 3

Principal Library Accessions.....	113
Bibliographies and Lists.....	131
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	133
Agricultural Libraries Section Program.....	142
Articles by State Agricultural Experiment Station Workers.....	143
Congresses .....	154
Notes on Periodicals.....	155
Translation Service at the North Carolina State College.....	156
List of State Extension Publications.....	157
Translations received in the Library.....	165
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....	166
Lost Books.....	169
The Evaluation of Technical Periodicals.....	170
The Canadian Entomologist - Commemorative Number.....	174
International Committee of Agricultural Librarians - Communication VIII. By Dr. Sigmund von Frauendorfer.....	174
Imperial Bureau of Dairy Industry.....	175

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.



# AGRICULTURAL LIBRARY NOTES

Vol. 14

March 1939

No. 3

## PRINCIPAL LIBRARY ACCESSIONS\*

### Agricultural Congresses, Societies

- CONFERENCE OF COLONIAL DIRECTORS OF AGRICULTURE. 2d. London, 1938. Report and proceedings. London, H.M. Stationery off., 1938. (Gt. Brit. Colonial office. Colonial No. 156) 5 C7699.2d
- TENNEY, A. W. Programs for Future farmer chapter meetings. Danville, Ill., Interstate printers and publishers, 1938. 4 T253

### Agricultural Education

- KIRKPATRICK, E. L. Short courses in colleges of agriculture. Washington, American youth commission, American council on education, 1938. Processed. 275.1 K63

### Air Conditioning

- FULLER, C. A. Air conditioning, with the collaboration of David Snow. New York, Henley, 1938. 291 F95A

### Apiculture

- COLEMAN, M. L. Bees in the garden and honey in the larder. New York, Doubleday, Doran & company, inc., 1939. 424 C67
- HERROD-HEMPSELL, W. The bee-keeper's guide to the management of bees in movable comb hives, illustrated. London, British bee journal, 1938. 424 H43G

### Authorship

- BOND, F. F. How to write and sell nonfiction. New York, McGraw-Hill, 1938. 200 B64

### Biography

- STEPHENSON, W. H. Isaac Franklin, slave trader and planter of the old south, with plantation records. University, Louisiana state university press, 1938. 120 St4

### Biology, Embryology

- FREY-WYSSLING, A. Submikroskopische morphologie des protoplasmas und seiner derivate. Berlin, Borntraeger, 1938. (Protoplasma-mongraphien. bd. 15) 442 F89
- McCRADY, E. The embryology of the opossum. Philadelphia, Wistar institute of anatomy and biology. 1938. (The American anatomical memoirs. No. 16) 442 M13

---

\* Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.



PRINCIPAL LIBRARY ACCESSIONS

## Biology, Embryology (continued)

- PEARL, R. The natural history of population. New York, Oxford university press, 1939. (University of London. Heath Clark lectures. 1937).  
442 P312N
- SINNOTT, E. W. and DUNN, L. C. Principles of genetics. Ed. 3. New York, McGraw-Hill, 1939. 442 Si6 Ed.3

## Botany

- ACOSTA SOLÍS, M. Galapagos observado fitologicamente. Quito, Ecuador, Universidad central, 1937. 460.53 Ac7
- ANDRÉ, H. Die polarität der pflanze als schlüssel zur lösung des generations-wechselproblems. Jena, Fischer, 1933. 463.36 An2
- ASHBY, E. H and others. German-English botanical terminology. London, Murby, 1938. 452.12 As3
- BOTANICAL SOCIETY OF AMERICA. COMMITTEE ON THE TEACHING OF BOTANY IN AMERICAN COLLEGES AND UNIVERSITIES. An exploratory study of the teaching of botany in the colleges and universities of the United States. Ithaca, N.Y., 1938. 463.15 B65
- DUCHESNE, F. Leurs dénominations indigènes. Ixelles-Bruxelles, Bothy, 1938. (Les essences forestieres du Congo Belge. 3) 460.43 D85
- FLAHAUT, C. H. La distribution géographique des végétaux dans la région méditerranéenne française. Paris, Lechevalier, 1937. (Encyclopedie biologique. v.18) 459.5 F59
- GAGE, A. T. A history of the Linnean society of London. London, Taylor and Francis, 1938. 451 L64G
- GUERILLOT, J. Contribution à l'étude du chlore en biochimie végétale. Paris, Le Francois, 1937. 463.2 G93
- HERMANT, C. Les plantes medicinales de France. Vitry-le-François, Imp. du Messenger, 1937. 452.82 H42
- MARTÍNEZ, M. Catalogo de nombres vulgares y científicos de plantas mexicanas. Mexico, D. F., Imprenta mexicana, 1937. 452.14 M362
- MAYURANATHAN, P. V. P. Supplement to the flowering plants of Madras city and its immediate neighbourhood, by E. Barnes. Madras. Superintendent, Government press, 1938. (Madras. Government museum. Bulletin, n.s., natural history section, vol. 4, no. 2) 460.12 M45S
- ROBERTS, E. A. and WILKINSON, H. R. The role of plant life in the history of Dutchess county. Poughkeepsie, N.Y., Lansing-Broas printing co., 1938. 455.34 R54R
- TOTTINGHAM, W. E. Plant biochemistry. Minneapolis, Burgess, 1937. Mimeo-graphed. 463.2 T64 Rev. 1937

## Chemistry

- CONGRÈS INTERNATIONAL TECHNIQUE ET CHIMIQUE DES INDUSTRIES AGRICOLES. 6th, Budapest, 1939. Bulletin. no. 1. Budapest, Hungarian organising committee, 1938. 388 C765B 6th

-----  
PRINCIPAL LIBRARY ACCESSIONS

Chemistry (continued)

- ENGELDER, C. J. and others. Semi-micro qualitative analysis. New York, Wiley, 1936. 387 En32
- INTERESSENGEMEINSCHAFT FARBEINDUSTRIE AKTIENGESELLSCHAFT. Medizin und chemie. Bd. 1. Leverkusen a. Rh., "Bayer", 1933. 396 In8
- JOST, W. Diffusion und chemische reaktion in festen stoffen. Dresden, Steinkopff, 1937. (Die chemische reaktion, hrsg. von K. F. Bonhoeffer und H. Mark. bd. 2) 386 J79
- LEPESCHKIN, W. W. Kolloidchemie des protoplasmas. Ed. 2. Dresden, Steinkopff, 1938. (Wissenschaftliche forschungsberichte. Naturwissenschaftliche reihe, hrsg. von dr. Raphael Ed. Liesegang. bd. 47) 386.2 L55 Ed.2
- MICHEEL, P. K. H. Chemie der zucker und polysaccharide. Leipzig, Akademische verlagsgesellschaft m.b.h., 1939. 387.1 M58
- PRADO, A. do. Elementos de fisico-quimica. Rio de Janeiro, Encadernadora s/a, 1938. (Rio de Janeiro. Escola nacional de agronomia. Serie didatica. no. 1) 386 P88
- WILSON, C. L. An introduction to microchemical methods for senior students of chemistry. New York, Chemical publishing co., 1938. 386 W69

Color

- LUCKIESH, M. Color and colors. New York, Van Nostrand, 1938. 334.2 L963C

Commerce

- BROOMHALL'S (George) CORN TRADE NEWS. George Broomhall's corn trade news, 1888-1938, golden jubilee - souvenir number. Liverpool and London, Northern publishing co. ltd., 1938. 286.359 B792
- SOUTH AFRICA. DEPT. OF AGRICULTURE AND FORESTRY. Regulations in respect of the export of citrus fruit. Pretoria, Government printer, 1938. English and Dutch 286.393 So8Rc 1938

Cooperation

- NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. COMMITTEE ON COOPERATIVES. Report. Washington, 1938. 280.2 W2132
- ODER, J. Det moderna Island och dess kooperativ. Stockholm, Kooperativa förbundets bokförlag, 1937. 280.2 Od2

Cosmetics

- McLEOD, E. T. How to sell cosmetics. New York, Drug and cosmetic industry, 1937. 499.2 M22

-----  
PRINCIPAL LIBRARY ACCESSIONS  
 (continued)

Domestic Animals

- BUYTENDIJK, F. J. J. The mind of the dog. Boston, Houghton Mifflin, 1936. 48 B98
- KIENER, A. Le type actuel de la vache d'élevage de la race suisse tachetée rouge et blanche (prototype Simmental) et comparaison de deux lignées héréditaires (interprétation biométrique des mensurations corporelles). Berne, Verbandsdruckerei, 1938. 43 K54
- LINK, P. La cría del karakul. Buenos Aires, Peuser, 1938. 45 L642C

Economics, Agricultural

- BRAZIL. DIRETORIA DE ESTATÍSTICA DA PRODUÇÃO. SEÇÃO DE ESTATÍSTICA DA PRODUÇÃO EXTRATIVA. O babacu na economia nacional, por A. D. Gonsalves. Rio de Janeiro, 1938. 281.377 B73
- GAYER, A. D. and others. The sugar economy of Puerto Rico. New York, Columbia university press, 1938. 281.365 G25
- INDIA. HYDERABAD. DEPT. OF STATISTICS AND CENSUS. Cotton manual, 1935, by M. Hussain. Hyderabad-Deccan, Government central press, 1937. 281.372 In22
- JOHANSSON, I. Ekonomisk mjölkproduktion, några riktlinjer. Stockholm, Nordisk rotogravyr, 1938. 281.344 J59
- MISSISSIPPI AGRICULTURAL RESEARCH COMMITTEE. Mississippi and the federal farm research laboratory, a brief. [n.p.] Mississippi agricultural research committee, 1938. 281.002 M69
- READ, M. Native standards of living and African culture change. London, 1938. (International institute of African languages and cultures. Memorandum 16) 281.19 R22

Economics, Sociology

- ALBERTA. The case for Alberta. pt. 1. Edmonton, Smitka, 1938. 280.131 A113
- CARILLO, A. Mexico's resources for livelihood. New York, International industrial relations institute, 1938. 280.14 C23
- CHASE, S. Men and machines. New York, Macmillan, 1937. 280 C38M
- DUNCAN, W. G. E. and others. Australia's foreign policy. Sydney, Angus and Robertson. 1938. 280.1992 D91
- AN ECONOMIC PROGRAM for American democracy by seven Harvard and Tufts economists; R. V. Gilbert [and others]. New York, Vanguard, 1938. 280.12 Ec72
- EZEKIEL, M. Jobs for all through industrial expansion. New York, Knopf, 1939. 280.12 Ez3J
- GT. BRIT. PALESTINE PARTITION COMMISSION. Report. London, H.M. Stationery Off., 1938. (Parliament. Papers by command. Cmd. 5854) 280.185 G793
- HAILEY, M. H. An African survey. London, Oxford univ. press, 1938. 280.19 H12
- KING, W. I. The cause of economic fluctuations. New York, Ronald, 1938. 280 K582



-----  
PRINCIPAL LIBRARY ACCESSIONS

Economics, Sociology (continued)

- KURTZ, E. B. The science of valuation and depreciation. New York, Ronald, 1937. 280 K963
- LESTARD, G. H. Reseña y ritmo de la economía argentina, 1932-1937. Buenos Aires, 1938. Processed. 280.161 L56
- MEADE, J. E. An introduction to economic analysis and policy. American edition edited by C. J. Hitch. New York, Oxford univ. press, 1938. 280 M46 1938
- MICHIGAN. DEPT. OF PUBLIC INSTRUCTION. Michigan today. Lansing, 1937. (Bulletin No. 307) 280.041. M583
- NEBRASKA. UNIVERSITY. DEPARTMENT OF POLITICAL SCIENCE. Survey of the financial administration of Nebraska counties. Lincoln, 1938. Processed. 280.051 N2732
- PAUSTIAN, P. W. and OPPENHEIMER, J. J. Problems of modern society. New York, McGraw-Hill, 1938. 280 P28
- PIETRI-TONELLI, A. de. Vilfredo Pareto (15 luglio 1848- 19 agosto 1923) Roma, Tip. delle terme, 1935. 280 P61
- SAULNIER, R. J. Contemporary monetary theory. New York, Columbia univ. press, 1938. (Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. no. 443) 280 Sa35
- WELK, W. G. Fascist economic policy. Cambridge, Harvard university press, 1938. (Harvard economic studies. vol. 62) 280.176 W45
- ZIMMERMAN, C. C. The changing community. New York, Harper, 1938. 280 Z62C

Electricity

- ELECTRICAL ASSOCIATION FOR WOMEN. Papers read at the Conference, "the new way of living", "women's work in the modern world". Empire exhibition, Scotland, June 18th-21st, 1938. [n.p., 1938] 335.9 E122

Engineering

- BERG, U. T. Structural bending moments simplified. New York, Polygraphic company of America, 1938. 290 B45
- LAURSON, P. G. and COX, W. J. Mechanics of materials. New York, Wiley, 1938. 290 L37
- ROARK, R. J. Formulas for stress and strain. New York, McGraw-Hill, 1938. 290 R532

Entomology

- BALFOUR-BROWNE, F. Systematic notes upon British aquatic Coleoptera, being a corrected and revised edition of a series of papers which appeared in the "Entomologists' monthly magazine" from 1934 to 1936. vol. 1, no. 1-2, London, Lloyd, 1938. 427 B192
- BOCK, F. and FIGORINI, L. Die seidenspinner. Berlin, Springer, 1938. (Technologie der textilfasern. 6. bd., 1. t.) 430 B636

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Feeding Stuffs

VIRTANEN, A. I. Cattle fodder and human nutrition. Cambridge, Univ. press, 1938. 389.7 V81

## Field Crops, Technical Plants

- BAHIA. BRAZIL. INSTITUTO DE CACAU. Instituto de cacau da Bahia, S.A. Bahia, Ribeiro [1937?]. Portuguese and English. 68.3 B142
- BROWN, H. B. A brief discussion of the history of cotton. Ed. 4. Baton Rouge La., 1938. 72 B81B Ed.4
- CONFERENCE OF SCIENTIFIC RESEARCH WORKERS ON COTTON IN INDIA. 1st, Bombay, 1937. Papers read and summary of proceedings. Bombay, Examiner press, 1938. 72.9C764
- DUNGAN, G. H. and others. Developments in hybrid corn production. Springfield, Illinois farmers' institute, 1938. 59.22 D91D
- JENKINS, J. M., comp. Rice. Ed. 4. Baton Rouge, Louisiana State department of agriculture and immigration, 1938. 59.24 J41 Ed.4
- LAUMONT, P. La céréaliculture algérienne. Alger, Carbonel [1937?]. 59 L37
- TAGGART, W. G. and SIMON, E. C. A brief discussion of the history of sugar cane. Ed. 3. Baton Rouge, Louisiana State department of agriculture and immigration, 1938. 65 T12 Ed.3
- TURCOT, C. La culture du tabac jaune dans la province de Québec. La Trappe, Institut agricole d'Oka, 1938. 69 T 84
- UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA. TEA SCIENTIFIC DEPARTMENT. Planting problems in south India. Madras, Diocesan press, 1937. 68.1 Un32

## Finance

- LEAGUE OF SOUTH DAKOTA MUNICIPALITIES. Financial statistics for South Dakota municipalities. Vermilion, 1938. 284 L472
- RHEA, R. Dow's theory applied to business and banking. New York, Simon and Schuster, 1938. 284 R342
- RIESEL, E. C. Planned prosperity. New York, Consumers guild of America, 1938. 284 R442

## Food, Vitamins

- DAHL, J. O. Food and menu dictionary. Stamford, Conn., The Dahls, 1938. 389 D13D
- FOOT, A. S. and others. The vitamin requirements of pigs. Shinfield, Reading, Eng., National institute for research in dairying, 1938. (N. I. R. D. Publication no. 462.) 389.1 F733
- GRAVES, L. G. and TABER, C. W. A dictionary of food and nutrition. Philadelphia, Davis company, 1938. 389 G78
- HARRIS, L. J. Vitamins and vitamin deficiencies. v. 1. London, Churchill, 1938. 389.1 H243V
- KNAPP, A. W. ed. Vitamin D in cacao shell (commercial cocoa bean shell) Bournville, Publication department [1938?] 68.3 K72V

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Forestry, Trees

- PARDÉ, L. G. C. and PARDÉ, M. Arbres et forêts. Paris, Colin, 1938.  
(Collection Armand Colin (Section de géographie) no. 212) 99.1 P21  
RESNER, H. A. Trees and men. [Seattle?, Wash., Works progress administration?, 1938?] Mimeographed. 99.61 R31  
TROUP, R. S. Forestry and state control. Oxford, Clarendon press, 1938.  
99.56 T75

## History

- CROUCHLEY, A. E. The economic development of modern Egypt. New York, Longmans Green, 1938. 277.192 C88

## Horticulture

- BRUGGEMAN, M. L. A. Indisch tuinboek. Amsterdam, De Spieghel, 1939.  
96.02 B83  
COOMBS, Mrs. S. V. Horticultural programs and horticultural work suggested for the use of garden clubs. New York city, National council of state garden clubs, inc., 1938. 90.32 C78  
CUTTING, A. B. Canadian home gardening the year 'round. Toronto, Musson book company, 1938. 90.04 C98  
FARRINGTON, E. I. ed. The gardener's travel book. Boston, Hale, Cushman and Flint, 1938. 97 F24  
HASELTON, S. E. Cacti for the amateur. Pasadena, Abbey garden press, 1938.  
96.31 H27  
HAY, T. Plants for the connoisseur. London, Putnam, 1938. 90.06 H32  
HOTTES, A. C. See how to plant your home grounds. Des Moines, Iowa, Better homes and gardens, 1938. 98 H79  
LOCHOT, J. Le chrysanthème. Ed. 7. Paris, La Maison rustique, 1938.  
96.519 L78 Ed.7  
ODENSE. FORSØGSSTATIONEN VED BLANGSTED. Frugttræforsøg og gødningsforsøg. Odense, Andelsbogtrykkeriet, 1938. 104 Od2 1938  
PERRY, Mrs. F. Water gardening. London, New York, Scribner, 1938.  
97.16 P422  
REBOUR, H. Les agrumes. Tunis, Aloccio, 1937. 93.33 R24  
ROBINSON, J. C., SEED COMPANY. The cucurbits, illustrated, 1937. [Waterloo?, Nebr.] 1937. 91.51 R56

## Labor and Wages

- BUTLER, H. B. Problems of industry in the East with special reference to India, French India, Ceylon, Malaya and the Netherlands Indies. Geneva, 1938. (International labour office. Studies and reports. Series B (Economic conditions) no. 29) 283 B97  
FORT, C. J. and others. 1938 national railway wage reduction controversy. Brief on behalf of the carriers. Washington, 1938. 283 F772



PRINCIPAL LIBRARY ACCESSIONS

## Labor and Wages (continued)

- INTERNATIONAL LABOR CONFERENCE. 24th, Geneva, 1938. Regulation of hours of work and rest periods of professional drivers (and their assistants) of vehicles engaged in road transport. Geneva, International labour office, 1938. (Report 4, International labour conference. 24th session, Geneva, 1938.) 283 In82Rg
- INTERNATIONAL LABOR CONFERENCE. 24th, Geneva, 1938. Statistics of hours and wages in the principal mining and manufacturing industries, including building and construction, and in agriculture. Sixth item of the agenda. Geneva, International labour office, 1938. 283 In82S
- INTERNATIONAL LABOR OFFICE, Geneva. PERMANENT AGRICULTURAL COMMITTEE. Social problems in agriculture; record of the Permanent agricultural committee of the I. L. C. (7-15 February 1938) Geneva, 1938. (International labor office, Geneva. Studies and reports. Series K (Agriculture) no. 14) 283 In81
- LAGUARDIA, F. H. Community improvement appraisal, New York City. New York, 1938. Processed. 283 Ll3
- NORTHERN IRELAND. MINISTRY OF AGRICULTURE. COMMITTEE ON AGRICULTURAL EMPLOYMENT AND WAGES. The conditions of employment and wages of agricultural workers in Northern Ireland. Belfast, H.M. Stationery off., 1938. (Parliament. Papers by command. Cmd. 199) 283 N8152
- SWEDEN. JORDBRUKSDEPARTEMENTET. Betänkande med förslag till lag om minimilöner för lantarbetare. Stockholm, Beckmans, 1937. (Statens offentliga utredningar 1937: 21. Jordbruksdepartementet) 283 Sw33
- SWEDEN. JORDBRUKSNÄMND. Utredning rörande jordbrukets läge i Norrland med vissa förslag till åtgärder till förbättrande av den norrländska jordbrukarbefolkningens ekonomiska ställning. Stockholm, Marcus, 1937. (Statens offentliga utredningar 1937: 9. Jordbruksdepartementet) 283 Sw34

## Management, Industrial, and Employment

- BROOKS, E. In-service training of federal employees. Chicago, Ill., Civil Service assembly of the United States and Canada, 1938. 249.3 B792
- INTERNATIONAL LABOR OFFICE, Geneva. Historical survey of the contributions of the International labour organisation to the study of management. Geneva, 1938. 249 In8
- URWICK, L. The development of scientific management in Great Britain. London, Management journals, 1938. 249 Ur9

## Marketing, Market Surveys

- CURTIS PUBLISHING COMPANY. DIVISION OF COMMERCIAL RESEARCH. Market patterns in eight large cities. Philadelphia, 1938. Processed. 280.32 C942
- DALE, J. Hidden profits in food distribution. Caldwell, Id., Caxton, 1937. 286.2 D15
- DAVIDSON, C. and BRITTON, F. O. How to make money selling meat. New York, Progressive grocer, 1938. 280.350 D28

-----  
PRINCIPAL LIBRARY ACCESSIONS

Marketing, Market Surveys (continued)

- DUDDY, E. A. and REVZAN, D. A. The changing relative importance of the central livestock market. Chicago, University of Chicago press, 1938.  
(Studies in business administration. v.8, no. 4) 280.340 D86
- KANSAS. STATE BOARD OF HEALTH. United States public health service standard milk ordinance. Topeka, 1938. (Bulletin...May 1938. 2d ed.)  
280.344 K13
- NATIONAL CANNERS ASSOCIATION. Preliminary analysis of the Robinson-Patman act. Washington, 1936. 286.2 N21P
- Supplementary statement concerning the Robinson Patman act. Washington, 1936. 286.2 N21Pa
- SAFeway STORES, INC. A chain store goes to market. San Francisco, Recorder printing and publishing company, 1930. 286.2 Sal
- TOPEKA DAILY CAPITAL. Market data; Kansas and the Topeka market. Topeka, 1938. 280.32 T62

Meat Inspection

- LAFENÊTRE, H. and DEDIEU, P. Technique systématique de l'inspection des viandes de boucherie. Paris, Vigot, 1936. 50 L13
- OSTERTAG, R. von. Leitfaden für fleischbeschauer. Ed.22. Berlin, Schoetz, 1938. 50 Os7L Ed.22

Museums

- RAMSEY, G. F. Educational work in museums of the United States. New York, Wilson, 1938. 310.2 R14

Optics

- JENKINS, F. A. and WHITE, H. E. Fundamentals of physical optics. New York, McGraw-Hill, 1937. 334 J38

Parasites

- BRUMPT, E. and NEVEU-LEMAIRE, M. Travaux pratiques de parasitologie. Ed.3 Paris, Masson, 1938. 346 B833 Ed.3

Parks

- QUEENSLAND. DEPT. OF PUBLIC LANDS. SUB-DEPT. OF FORESTRY. The Lamington national park. Brisbane, Whyte, 1938. 98.7 L18
- WHITE MEMORIAL FOUNDATION, inc. Litchfield, Conn. The White Memorial foundation, incorporated, Litchfield, Connecticut, 1913-1938. Hartford, Prospect press, 1938. 98 W58

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Pathology

WHITE, P. D. Heart disease. Ed. 2. New York, Macmillan, 1938. 448 W585 Ed. 2

Physiology

MERRITT, H. H., and FREMONT-SMITH, F. The cerebrospinal fluid. Philadelphia, Saunders, 1938. 447 M55

Planning and Planning Board Publications

GT. BRIT. COMMITTEE ON THE ORDNANCE SURVEY. Final report of the departmental committee on the ordnance survey. London, H. M. Stationery off., 1938. 98.5 G793F

MINNESOTA. STATE PLANNING BOARD. FORESTRY COMMITTEE. Idle lands, idle men, by H. C. Moser. St. Paul, Minn., Minnesota State planning board, 1938. 280.7 M6629

MISSISSIPPI. STATE PLANNING COMMISSION. Forestry and forest industries in Mississippi; statistical data by counties. November, 1938. [Jackson?] 1938. Processed. 280.7 M692F

MONROE COUNTY, New York. DEPT. OF PUBLIC WORKS. DIVISION OF REGIONAL PLANNING. An inventory for planning for the town of Penfield, Monroe county, New York. Rochester, 1938. Mimeographed. 98.5 M752

NEW HAMPSHIRE. STATE PLANNING AND DEVELOPMENT COMMISSION. ADVISORY COMMITTEE ON AIR TRANSPORTATION. Supplementary report. Concord, 1937. Mimeographed. 280.7 N45332S

OREGON. STATE PLANNING BOARD. SPECIAL ADVISORY COMMITTEE ON ROADSIDE TIMBER PRESERVATION. Preservation of Oregon roadside timber. Salem, 1938. Processed. 280.7 Or335

Poultry

BARGER, E. H. and CARD, L. E. Diseases and parasites of poultry. Ed. 2. Philadelphia, Lea & Febiger, 1938. 47 B232 Ed. 2

CONFERENCE ON BUSINESS MANAGEMENT PROBLEMS OF NORTHEASTERN POULTRY AND EGG COOPERATIVES. Rutgers University, 1937. Summary of proceedings and discussion. [New Brunswick? 1937?] Mimeographed. 280.2479 C76

NEW YORK (STATE) LEGISLATURE. JOINT COMMITTEE ON THE WORLD'S POULTRY CONGRESS IN SYRACUSE IN 1939. Report. Albany, Lyon, 1938. (Legislative document (1938), no. 68) 47.9 N4832

OHIO. DEPT. OF AGRICULTURE. DIVISION OF MARKETS. Ohio federal-state egg and poultry grading service, comp. by C. Wiseman. Columbus, 1938. 280.347 Oh30h 1938



PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Prices

- BACKMAN, J. Government price-fixing. New York, Pitman, 1938. 284.3 B12G  
CANADA. BUREAU OF STATISTICS. INTERNAL TRADE BRANCH. Inaugurating a  
series of Canadian index numbers of industrial material prices. Ottawa,  
1939. Processed. 284.3C16  
NATIONAL BUREAU OF ECONOMIC RESEARCH. COMMITTEE ON PRICES IN THE BITUMINOUS  
COAL INDUSTRY. Report. New York, 1938. (National bureau of economic  
research. Price studies. no. 1) 284.3 N211

## Public Hygiene

- SHARP, W. B. Practical microbiology and public health for students of  
medicine, public health, and general bacteriology. St. Louis, Mosby,  
1938. 449.1 Sh2

## Public Safety

- HOLBROOK, S. H. Let them live.. New York, Macmillan, 1938. 449 H69

## Publicity

- WINNER, V. A. What makes you think so? Washington, Winner, 1938. 238.2 W73

## Roads, Road Materials

- AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS. Standard specifications for  
highway materials and methods of sampling and testing. Washington, 1938.  
288 Am322T 1938  
ARGENTINE REPUBLIC. DIRECCIÓN NACIONAL DE VIALIDAD. Atlas vial argentine.  
Buenos Aires, Peuser, 1938. 288 Ar3oA  
GUBBELS, J. L. American highways and roadsides. Boston, Houghton Mifflin,  
1938. 288 G933  
HUGHES, A. C. and others. Tar roads. London, Arnold, 1938. (The Roadmakers'  
library. General editor: Dr. Percy Edwin Spielman. vol. 8) 288 H872  
KAFTAN, K. G. Welt-strassenwesen 1938. Berlin, Elsner, 1938. German,  
English, French, Italian, Spanish, and Dutch. 288 K11W  
LUMSDEN, H. A. Roads: construction and maintenance. Hamilton, Canada.  
Davis-Lisson, 1938. 288 L97

## Rubber

- MICHAUX, P. Caoutchouc. Paris, Exposition internationale, 1937. 78 M58  
RAE, R. Report on pneumatic tyred carts and other equipment in use on the  
University of Reading farm at Sonning-on-Thames. London, British rubber  
publicity association, 1937. (Rubber and agriculture. Special series.  
Bulletin A) 305 R12  
RUBBER GROWERS' ASSOCIATION (incorporated) London. Rubber and agriculture.  
1934. 78 R82R

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Rural Population

MIDWESTERN CONFERENCE ON RURAL POPULATION RESEARCH. 1st, University of Missouri, 1937. Proceedings. [Columbia?, Mo.] 1937. Processed. 281.29 M58

Scientific Research

JEFFREYS, H. Scientific inference. Cambridge, University press, 1937. 330 J37

WORTHINGTON, E. B. Science in Africa. New York, Committee of the African research survey under the auspices of the Royal institute of international affairs, 1938. 330 W89

Sericulture

BELOT, R. M. La sericiculture au Congo Belge. Bruxelles, 1938. (Publications de l'Institut national pour l'étude agronomique du Congo Belge. Hors serie) 425 B412

RAZETO, E. Historia de la seda y su industria. [Masaya?], Secretaria de agricultura, República de Nicaragua, 1938. 425 R21

Soils

BRISTOL. UNIVERSITY. An agricultural and soil survey of the Bronham district of Wiltshire, by A. W. Ling, and others. Bristol, 1938. 56.24 B77

KRYNIN, D. P. Notes on applied soil physics for graduate students in civil engineering. Ann Arbor, Edwards, 1937. Lithoprinted. 56.43 K94

Statistics

DOMINICAN REPUBLIC. DIRECCIÓN GENERAL DE ESTADÍSTICA. SECCIÓN DE INFORMACIÓN. Boquetejo geografico-estadístico sobre la Republica Dominicana. Ciudad Trujillo, 1938. Processed. 254.8 D7193

GT. BRIT. CENSUS OF PRODUCTION OFFICE. Final report on the fifth census of production and the Import duties act inquiry. 1935. pt. 1. London, H. M. Stationery off., 1938. 256 C33Fi 5th

LLERAS RESTREPO, C. La estadística nacional, su organización, sus problemas. Bogotá, Colombia, Departamento de Contraloría general, 1938. 255.5 L77

SOUTH AFRICA. OFFICE OF CENSUS AND STATISTICS. Sixth census of the population of the Union of South Africa. v. 1. Pretoria, Government printer, 1938. 270 C33 6th

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Taxation

- ALTMAN, G. T. Introduction to federal taxation (1938 act). Ed. 2. New York, Commerce clearing house, 1938. 284.5 A173 Ed.2
- DAYTON RESEARCH ASSOCIATION. The adjustment of the cost of government to the ability of taxpayers to pay. Dayton, 1938. Processed. 284.5 D53
- ILLINOIS. TAX COMMISSION. Rules of the Tax commission and laws governing its work; rules revised and approved May 24, 1938. Chicago, 1938. 284.5 I163R
- IOWA. LAWS, STATUTES, ETC. Limitations of indebtedness and of millage tax levies. Comp. by E. M. Sweany. Des Moines, 1938. 284.5 I093L
- JOINT TAX COMMITTEE OF THE MARYLAND STATE GRAIN AND THE MARYLAND FARM BUREAU FEDERATION. Report. [n.p.] 1938. Processed. 284.5 J66
- MICHIGAN. STATE TAX COMMISSION. ADMINISTRATIVE SERVICE DIVISION. Assessors' manual. Lansing, 1938. Processed. 284.5 M5852

Technology

- ALUMINUM COMPANY OF AMERICA. Aluminum paint manual. Pittsburgh, 1937. 306 A18
- ALUMINUM COMPANY OF AMERICA. Structural aluminum handbook. Ed. 2. Pittsburgh, 1938. 294 A18 Ed.2
- AMERICAN SOCIETY FOR TESTING MATERIALS. Symposium on protecting metals against corrosion. Philadelphia, 1938. 294 Am37
- DAVIDSON, I. and DAVIDSON, A. Shoe creams and polishing waxes. London, Hill [1938?] 307 D28S

Textile Industry

- CANADA. ROYAL COMMISSION ON THE TEXTILE INDUSTRY. Report. Ottawa, Patenaude, 1938. 304 C16
- CRAPO, H. H. The story of cotton and its manufacture into cloth in New Bedford. New Bedford, 1937. (Old Dartmouth historical society. Old Dartmouth historical sketches. no. 67 in the series of sketches of New Bedford's early history. 304 C85S

Veterinary Medicine

- FROMMER, E. Kompendium der speziellen pathologie und therapie für tierärzte, bearbeitet von D. Wirth und W. Zwick. Ed. 5. Stuttgart, Enke, 1938. 41 F92K Ed.5
- HEIDEGGER, E. Pelztierkrankheiten und ihre bekämpfung. München, Mayer, 1938. 41 H5323
- HOBDAY, Sir. F. T. G. Fifty years a veterinary surgeon. London, Hutchinson, 1938. 41 H653F



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Welding

- INSTITUTE OF WELDING. London. Handbook for welded structural steelwork. London, 1938. 291 In7  
UNITED STATES STEEL CORPORATION. Welding, instructions and standards. pt. 1. Pittsburgh, Carnegie-Illinois steel corporation, 1938. 291 Un3

Wood, Wood Industries

- ANDERSON, O. C. The production and value of white pine and other woods in Rhode Island in 1924. [Providence, Rhode Island state department of agriculture?] 1926. Mimeographed. 99.73 An2  
BRYANT, R. C. Lumber, its manufacture and distribution. Ed. 2. New York, Wiley, 1938. 99.76 B84L Ed.2  
GRANT, J. Wood pulp. Leiden, Holland, Chronica botanica company, 1938. (A new series of plant science books, ed. by Frans Verdoorn. v. 2) 99.77 G76  
NOBLE, L. H. and EVERILL, R. B. From forest to woodworker. Chicago, Bruce publishing co., 1938. 99.77 N68  
PARIS. EXPOSITION INTERNATIONALE DES ARTS ET TECHNIQUES, 1937. Les bois français. Paris, L'art vivant [1938?]. 99.25 P21  
REYES, L. J. Philippine woods. Manila, Bureau of printing, 1938. (Philippine islands. Dept. of agriculture and commerce. Technical bulletin 7) 99.79 R33P  
SUOMEN SAHATEOLLISUUS SEURU. The Finnish sawmilling school 1921-33, by A. Käpy. Viipuri, Karjalan kirjapaino oy, 1938. 99.08 Su7  
WENTLING, J. P. Western red cedar. Minneapolis, Western red and northern white cedar association, 1938. 99.77 W48

Reference Books

- ASSOCIATION OF REFRIGERATED WAREHOUSES. Directory of refrigerated warehouses. Chicago, 1938. 225 As75 1938  
MILLERS' NATIONAL FEDERATION. Directory of mill executives (second edition) Chicago, 1938. 225 M612 Ed.2  
REICHSADESSBUCH DES DEUTSCHEN GARTENBAUES; handbuch der deutschen gartenbauwirtschaft. Ausgabe 1937/38. Ed. 2. Berlin, Krausskopf, 1938. 225 R27 Ed.2

Theses

- POULAY, P. Contribution à l'étude de la babesiellose bovine en France. Paris, 1937. Thèse. Faculté de médecine de Paris. 41.2 B3622  
BRIERE, J. Intoxication du mouton par les feuilles de betteraves. Montlhery, 1935. Thèse. Faculté de médecine de Paris. 41.2 B763

PRINCIPAL LIBRARY ACCESSIONS

## Theses (continued)

- CAUDRON, M. P. Le rouget du roudon. Paris, 1936. Thèse. Faculté de médecine de Paris. 41.2 C61
- FREYER, H. J. (a). Die auswirkungen der entdasselung 1936 auf den befall 1937. (b). Derris-, Darsasco-, phenolpräparate und mechanische abdasselung. Quakenbrück, 1937. (Versuche zur bekämpfung des dasselbefalls beim rinde. 12. beitrage) Inaug.-diss. Tierärztl. hochschule, Hannover. 41.2 F963
- GOTHEIDAM, P. Der quantitative stoffwechsel der mineral- und organischer substanzen des roggen und der gerste. Bucharest, 1935. (Beiträge zum studium der rolle und wirkungsweise der mineral- und organischen stoffe im pflanzenleben 6) Thesis, Bucharest. Text, Rumanian; German summary. 463.2 C71
- IONESCO, I. I. Contribution à l'étude de la catalase végétale. Bucarest, 1937. Thesis. Bucharest. Text, Rumanian; résumé in French. 463.2 I66
- KUHLMAN, G. W. Some economic aspects of small-scale farming in Oregon with special reference to part-time farming in the Willamette valley region. Urbana, 1938. Abstract of thesis (Ph.D.) University of Illinois. 281.091 K95
- LECOMTE, M. La paratyphose dans le département d'Ille-et-Vilaine. Paris, 1937. Thèse. Faculté de médecine de Paris. 41.2 L493
- MACHILLAN, R. Safety education in the public schools of the United States. Philadelphia, 1936. Thesis (Ed.D.) Temple university, Philadelphia. 449.1 M22
- MAYER, M. I. Contribution à l'étude des substances minérales des drogues végétales officinales. Bucharest, 1933. Thesis. Bucharest. Text, Rumanian; résumé in French. 463.2 M453
- PRZEPIERSKI, J. Auswertung der bodenkundlichen Kartierung für agrar- und bevölkerungspolitische untersuchungen, gezeigt an dem ostpreussischen landkreis Stuhm. Würzburg, 1937. Inaug.-diss. Tech. hochschule, Danzig. 273 P95
- SALLERON, M. L. Essai de traitement des infestations internes par des injections externes d'antiparasitaires. Paris, 1935. Thèse. Faculté de médecine de Paris. 436 Sa3
- SALLERON, L. D'évolution de l'agriculture française du régime foncier au régime corporatif. Paris, 1937. Thèse. Univ. de Paris. 281.174 Sa3
- SALLERON, A. Contribution à l'étude du pouvoir acaricide des crâsels. Paris, 1937. Thèse. Faculté de médecine de Paris. 41.2 Sa53
- WOLLERS, G. P. A socio-economic analysis of four rural parishes in Menaha county, Kansas. Washington, 1938. Thesis (Ph.D.) Catholic university of America. 281.2 W33

PRINCIPAL LIBRARY ACCESSIONS

## South American Agricultural and Botanical Collection

- Arruda Canara, A. de. Nomenclatura vulgar da herba mate e affinis (glossario). Rio de Janeiro, Oficinas graphicas Alba, 1928.  
77 Ar6
- Avila de Araujo, A. Diccionario brasileiro de forrageiras para corte. São Paulo, "Chacaras e quintaes", 1935. (Bibliotheca agricola popular brasileira) 60 Av5
- Barbosa Rodrigues, J. Structure et formation de la tige des palmiers. Rel. Geral 3d Cong. Scient. Latino-Amer. v. 3(A).. p. 413-469, 1909. Reprint collection
- Bertoni, G. T. Colección de folletos sobre organización y fomento de la agricultura paraguaya. Asunción, 1924-28. Consists of collection of articles most of which have been published previously, either in separate form or as serial publications of the Ministry of agriculture of Paraguay. 31.3 B46
- Bibliografia del doctor Emilio Hassler. Buenos Aires, 1934. Thesis (Ph.D) - Universidad nacional de Asunción. Pam. coll. 241.75 B
- Bruno, H. Horticultura pratica para uso das escolas e das fazendas. Primeira edição. v. 1. Rio de Janeiro?, Off. Graph. d'A. Noite, 1934. (Bibliotheca rural de Minas Geraes.) 90 B83 v.1
- Carvalho Barbosa, J. Do abacateiro e do abacate; historia, classificação botanica, cultura, usos domesticos, propriedades, medicinas e aproveitamentos industriaes. 1.<sup>a</sup> edição. São Paulo, Typ. Siqueira, 1933. 93.41 C25
- Cochlo Leal, G. O aproveitamento do lixo como fertilizante. Porto Alegre, 1933. (Instituto Borges de Medeiros. Bol. n. 5. Abril, 1933) 57.3 C65
- Companhia energia electrica da Bahia. Bahia, Brazil: a portfolio containing interesting information about the development, geology, agricultural products, cacao industry and other resources of the opulent state of Bahia, Brazil. Bahia [1931?]. 31.9 C73
- Costa, A. S., and Krug, E. P. Eine durch Ceratostomella hervorgerufene welkekrankheit der Crotalaria juncea in Brasilien. (From Phytopathologische Zeitschrift. Bd. 8, hft. 5, p. 507-513. Berlin, 1935. illus. Reprint collection
- Cultura do morangueiro no Brasil. S. Paulo: Condo. A. Barbiellini, 1921. (Bibliotheca agricola popular brasileira) 94.21 C89
- Dierberger & companhia. Abacates. Edição 1935/36. [1936?] Pam. coll. 93.41 D
- Gandara, G. Botanica general organostatica. Pt. 1. Organografía externa. Mexico, D.F., Libreria de P. Robredo, esq. Argentina y Guatemala, 1933. 465 G1522



PRINCIPAL LIBRARY ACCESSIONS

## South American Agricultural and Botanical Collection (continued)

- Garcia, R. Diccionario de brasileirismos (peculiaridades pernambucanas)  
Rio de Janeiro, 1915. (Livraria J. Leite) 204.5 G16
- Granatoo L. A cultura do pyrethro e seu uso como insecticida. [191-?]  
Pam. coll. 77 G
- Cultura do teosinte. 1926. Pam. coll. 60.1 G
- O girasol; sua cultura e exploração industrial.  
São Paulo, Graphico-editora Monteiro Lobato [1924] 77 G76G
- O historico do fumo no Brasil. Extrahida da importante obra; Histoire, geographie, statistique du tabac, son introduction et son expansion dans tous les pays depuis son origin jusqu'à la fin du XIXme siecle, do commendador dr. Horacio Comes. 2.<sup>a</sup> edição. 1913. Pam. Coll. 69 G Ed.2
- A mamoneira e o oleo de ricino. S. Paulo Typographia Levi, 1918. 77 G76
- Noções de botanica geral e agricola. 2.<sup>a</sup> edição. S. Paulo, Pocai & Weiss [1912]. 452.1 G76 Ed.2
- A queima e seus effeitos na fertilidade do solo. S. Paulo, Typographia Levi, 1918. 56.6 G76
- Hoehne, T. C. Contribuições para o conhecimento da flora orchidologica brasílica. Separado do volume 2-3 dos Archivos do Institute biologico de defesa agricola e animal, 1929-30. Reprint collection.
- Espécies novas de leguminosas do Herbario do Museu Paulista. Rev. Mus. Paulista, v. 10, p. 653-663. 1918. Reprint collection.
- Monographia illustrado das aristolochiaceas brasileiras. Manguinhos, 1927. (Reimpresso das "Memorias do Instituto Oswaldo Cruz" tomo XX, fasc. I. Anno 1927, p. 67-175) 452.3 H672M
- Latzina, E. Index de la flora dendrologica argentina. (In Argentine republic. Ministerio del interior. Comision honoraria de reducciones de Indios. Publicacion. Buenos Aires, 1935. No. 3, July 1935 p. [3]-116) 457.1 L34
- Leitze, A. New production of caladiums with many coloured leaves. Rio de Janeiro [192-?] 97.45 L62
- Löbbecke, H. Adubação verde. 1.<sup>a</sup> edição. Rio de Janeiro, A. Coelho Branco filho, 1936. 68.6 L78
- Monteiro da Silva, J. R. Flore medicale brésilienne. São Paulo, Le Messager de S. Paulo, 1910. 457.2 M76
- Parodi, L. R. Las plantas indigenas no alimenticias cultivadas en la Argentina. De la "Revista argentina de agronomia", Tomo 1, no.3, pag. 165 y sig. Reprint collection.
- Peckolt, T. Analyses de materia medica brasileira dos productos que forão premiados nas exposições naciones e na Exposição universal de Paris em 1867. Rio de Janeiro, E. & H. Laemmert, 1868. 396 P33

PRINCIPAL LIBRARY ACCESSIONS

## South American Agricultural and Botanical Collection (Continued)

- Pedro Grando, J. C. O assucar. (Boletim de agricultura, zootecnia e veterinaria. ano 5-6. 1932-33) Reprint collection.
- Rodrigues de Figueiredo, E. Especiarias. Pt. 2. São Paulo, "Chacaras e quintaes", 1935. (Bibliotheca agricola popular brasileira) 68.6 R61
- Floricultura brasileira. Pt. 2. São Paulo, "Chacaras e quintaes", 1936. (Bibliotheca agricola popular brasileira) 96 R61
- Rodriguez, P. M. El libro de las madres; recetario en el que se aprovechan las propiedades medicamentosas de nuestros propios elementos para la curacion de algunas enfermedades. V edicion. Asuncion, La Colmena s.a., 1935. 448 R61 Ed.5
- Saldanha da Gama, J. de. Synonymia de diversos vegetaes do Brasil, feita segundo os dados colhidos no imperio, e na Exposição universal de Paris, em 1867. Rio de Janeiro, Typographia universal de Laemmert, 1868. 457.2 Sa35
- Salles, P. O jardineiro brasileiro; livro proprio para as pessoas que quizerem ter noções de horticultura. Edição cuidadosamente revista, correcta e melhorada. Rio de Janeiro, Garnier [n.d.] 90 Sa32 Rev. ed.
- Santos, E. Nessas fruteiras. S. Paulo, Chacaras e quintaes, 1932. (Bibliotheca agricola popular brasileira) 93.23 Sa5
- São Paulo, Brazil. (State) Secretaria da agricultura, industria e comercio. Servico de citricultura. Circular no. 6, Nov. 1934. Title: A exportação citrica do Estado de S. Paulo em 1934. 93.33 Sa6 no.6
- Sousa Brito, E. C. de. Diccionario abreviado de plantas forrageiras. S. Paulo, Chacaras e quintaes, 1922. Texto e desenhos originaes para o Almanak agricola brasileiro de 1922. 60 B77
- Wahnschaffe, A. Paineira branca (Chorisia speciosa, St. Hill) São Paulo, Brasil, 1931. (Bibliotheca florestal. 1. vol.) Extraído do livro "O problema florestal no estado de S. Paulo" (a sahir) 99.75 W12
- Warming, E. Lagoa Santa; contribuição para o geographia phytobiologica. Bello Horizonte, 1909. Translated from the Danish by Alberto Löfgren.
- Wheelock, J. H. Chave para a classificação das familias de microorganismos phytopathologicos e uma lista alphabetica dos generos e a sua respective classificação. Lavras, Minas, Serviço de publicações, Escola agricola de Lavras, 1935. (Folheto avulso no. 9) 462 W57

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- Buenos Aires (City) Universidad Nacional. Facultad de ciencias económicas. Biblioteca. Catalogo de revistas, diarios y periodicos existentes en la Biblioteca. Preparado por la Sección revistas y publicaciones. 2.a edición, corregida y ampliada. Buenos Aires, 1937. 75 p. Processed. 241.3 B86 Ed. 2
- Chapin, E. L. The Peter Chapin collection of books on dogs. A short-title list. Williamsburg, Va., 1938. 131 p. (Bulletin of the College of William and Mary in Virginia. v. 32, no. 7, Nov. 1938) 241.73 C36
- Conner, L. Practical bibliography making with problems and examples. Revised by Marion V. Higgins. Ed. 2. New York, Wilson, 1938. 31 p. 240 C76 Ed.2
- Institute of distribution, inc. Telling the chain store story; a bibliography on chain stores as of October 1, 1938. New York city, 1938. 23 p. 241.3 In73 1938
- International congresses and conferences, 1840-1937; a union list of their publications available in libraries of the United States and Canada, ed. by Winifred Gregory under the auspices of the Bibliographical society of America. New York, Wilson, 1938. 229 p. 241.9 In83
- London. Science museum. Science library. Science library bibliographical series.
- No. 437. The control of contagious abortion. 1934-38. 1938. 15 p. Processed. 241.5 L842
- No. 424. The effect of chromium compounds on plants and their occurrence in plants. 1938. 3 p. Processed. 241.5 L842
- No. 434. Keratin. 1933-37. 1938. 3 p. Processed. 241.5 L842
- No. 417. The preparation of vitamin B 1 (F). 1930-1937. 1938. 2 p. Processed. 241.5 L842
- No. 436. Septic tanks for small users. 1938. 2 p. Processed. 241.5 L842
- No. 428. Reconstituted cream. 1928. 2 p. Processed. 241.5 L842
- No. 427. The smoke-curing of meat and fish products. 1938. 6 p. Processed. 241.5 L842
- No. 418. Some references to land reclamation and improvement in the British Isles. 1938. 8 p. Processed. 241.5 L842
- No. 435. Stilbene and its derivatives. 1933-37. 1928. 3 p. Processed. 241.5 L842
- Meggers, W. F. and Scribner, B. F. Index to the literature on spectrochemical analysis 1920-1937. Sponsored by Committee E-2 on spectrographic analysis of the American society for testing materials. Philadelphia, 1939. 59 p. 241.64 M47
- Millan, R. Bibliografía agrícola argentina hasta 1930. Buenos Aires, Sección publicaciones e informes, 1935. 302 p. (Argentina republic. Ministerio de agricultura. Boletín del Ministerio. Suplemento al t. 36) 241 M61



BIBLIOGRAPHIES AND LISTS

(continued)

## U. S. Department of Agriculture

## Bureau of Agricultural Economics

Agricultural relief measures relating to the raising of farm prices. 75th Congress, January 5, 1937 to June 16, 1938. Compiled by M. E. Wheeler and M. I. Herb under the direction of M. G. Lacy. Issued by the Library 1939. 109 p. (Agricultural economics bibliography, no. 76) 1.9 Ec73A

The tobacco industry; a selected list of references on the economic aspects of the industry, 1932 - June 1938. Compiled by Louise O. Bercaw. 1938. 337 p. Issued by the Library. (Agricultural economics bibliography, no. 75) 1.9 Ec73A

## Bureau of Agricultural Engineering

Artificial drying of farm crops in the United States; a selected bibliography. Compiled by D. W. Graf. 1938. 1.9 En32Ar

## Bureau of Chemistry and Soils

Selected references on solid carbon dioxide. Compiled by V. A. Pease. Jan. 18, 1939. 18 p. Issued by Food research division. 1.9 C4925So

## Commodity Exchange Administration

Futures trading in agricultural commodities; a selected list of references to publications issued prior to 1920. Compiled by C. L. Phillips-Corbett. Issued Feb. 1939. 11 p. (CEA - 16 Supplement) 1.9 C73C

## Bureau of Dairy Industry

Dairy library list no. 4 (revised to Feb. 1939) 2 p. Issued by the Library. 1.9 D149

## Forest Service

Complete list of publications 1928-1938 (inclusive) 8 p. Issued by the Forest experiment station, Allegheny, Philadelphia, Pa. 1.9 F76222L

The Institut National pour l'Etude Agronomique du Congo Belge, 14, rue aux Laines, Brussels, Belgium, has arranged to publish regularly a bibliography, on cards. This bibliography is intended primarily for the information of the scientific and agricultural research services of the Institute but it will also be available to the public at an annual subscription rate of 300 francs.

The cards will be published bi-monthly, on different subjects, and will comprise about 3000 a year. They will cover the acquisitions of the Library of the Institut, for the most part the periodical publications and the books of interest in agricultural research, especially the agricultural development of tropical and subtropical countries. Each entry will be followed by a summary in several lines. Cards will be issued for the following classes: Botany, Applied Botany, Agricultural Meteorology, Plant Culture and Improvement, General Agriculture, Regional Agriculture, Tropical and Subtropical Agriculture, Horticulture, Economic Forestry, Plant Protection, Agricultural Technology, Zootechny, Rural Sociology, Agricultural Economics. Sample cards, in the classes desired, will be sent on request.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

- WALLACE, H. A.    Racial theories and the genetic basis for democracy.  
Science 89: 140-143.    Feb. 17, 1939.
- WILSON, M. L.    Soils, crops, and men: a study in harmony.    Jour. Amer. Soc.  
Agron. 31: 1-10. Jan. 1939.

Bureau of Agricultural Economics

- BENNETT, B. H.    Turkeys in 1938.    Turkey World 13(10): 10-11, 30-31.  
Oct. 1938.
- GERDES, F. L.    (With C. A. BENNETT, Bur. Agr. Eng.) Preventing gin  
damage to cotton. (From Leaflet) Cotton Ginners' Jour. 10(5):  
7, 10, 18-19.    Feb. 1939.
- LANHAM, W. B.    Arkansas leads in cotton classing for growers.    Ark. Vocat.  
Visitor (Agr. Sect.) 14(3): 4.    Dec. 1938.
- NICKERSON, D.    Recent experiments in artificial daylighting.    Jour. Appl.  
Phys. 10(2): 101-102.    Feb. 1939.
- PACKARD, W. E.    Institutional adjustment in land planning.    Plan Age  
4(6): 156-162.    June 1938.
- SARLE, C. F.    Crop-weather research in the United States. (Address)  
Tenth Ann. Meeting, Canad. Agr. Econ. Soc. Proc. (1938) 10:50-61.
- SHERMAN, C. B.    Farm life fiction in the South.    South. Lit. Messenger  
1(3): 203-210.    Mar. 1939. (Also Editorial Comment, p. 164.)
- WILSON, J. L.    Milk production trends. Address, Internatl. Assoc. Milk  
Dealers Conv. The Assoc. Bul. 31(2): 35-44.    Jan. 31, 1939.

Bureau of Animal Industry

- BURROWS, W. H. and TITUS, H. W.    Some observations on the semen production  
of the male fowl.    Poultry Sci. 18: 8-10, Jan. 1939.
- HAMMOND, J.C. and MARSDEN, S.J.    The effect of the level of protein intake  
on the growth and feed utilization of turkeys.    Poultry Sci. 18: 11-18,  
Jan. 1939.
- PRICE, E. W.    North American monogenetic trematodes. III. The family  
Capsalimae (Capsaloidea)    Jour. Wash. Acad. Sci. 29: 63-92, Feb. 15, 1939.
- WEHR, E. E., HAMWOOD, P.D. and SCHAFFER, J.M.    Barium antimonyl tartrate as  
a remedy for the removal of gapeworms from chickens.    Poultry Sci. 18: 63-65,  
Jan. 1939.

Bureau of Biological Survey

- ALDOUS, C. M.    Coyotes in Maine.    Jour. Mammal. 20: 104-106.    Feb. 1939.
- BALL, H.; BAUMGARTNER, L.; GENSCH, R.; MAY, F. H.; KNAPPEN, P.; SMITH,  
C. F.    Christmas bird census.    Bird-Lore 41: 23.    Jan./Feb. 1939.

\*These lists are prepared in the offices under which they are listed with the exception of the Office of the Secretary and the Office of Information.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey (continued)

- COOKE, H. T. Some interesting recoveries of banded birds. Bird Banding 9: 184-190. Oct. 1938.
- GABRIELSON, I. N., COTNAM, C., NELSON, A. L., and MARTIN, A. C. Christmas bird census. Bird-Lore 41: 22-23. Jan./Feb. 1939
- GIRARD, G. L. Notes on migratory waterfowl in Idaho. Univ. Idaho School of Forestry Bul. 8: 71-74. Dec. 1938.
- Sage grouse and the State's conservation program. Univ. Idaho School of Forestry Bul. 8: 66-67. Dec. 1938.
- GOLDMAN, E. A. The pocket gophers of the genus Pappogeomys. Jour. Mammal. 20: 93-98. Feb. 1939.
- Review of the pocket gophers of the genus Platygeomys. Jour. Mammal. 20: 87-93. Feb. 1939.
- McATEE, W. L. The electric fence in wildlife management. Jour. Wildlife Mgmt. 3: 1-13. Jan. 1939.
- Adaptationist naivete. Sci. Mo. 48(3): 253-255. Mar. 1939.
- MARSHALL, W. H. Notes on fur bearers. Univ. Idaho School of Forestry Bul. 8: 82-85. Dec. 1938.
- MURRAY, T. B. Blue grouse. Univ. Idaho School of Forestry Bul. 8: 63-65. Dec. 1938.
- Upland game birds in Idaho and their future. Univ. Idaho School of Forestry Bul. 8: 55-60. Dec. 1938.
- RIDDICK, G. The history of migratory waterfowl. Univ. Idaho School of Forestry Bul. 8: 69-71. Dec. 1938.
- SAYLOR, L. W. Revision of the subgenus Phytalus of the United States. U. S. Natl. Mus. Proc. 86(3048): 157-168. Feb. 15, 1939.
- Seven new scarab beetles from California. Ent. Soc. Wash. Proc. 41: 54-59. Mar. 1, 1939.
- SCHANZ, V. S. A white-footed bobcat. Jour. Mammal. 20: 106. Feb. 1939.
- Obituary notice-Karl A. Jacobson. Jour. Mammal. 20: 133. Feb. 1939.
- SCOTT, T. G. Some saw-whet owls in central Iowa. Wilson Bul. 50: 239-242. Dec. 1938.
- SMITH, C. F. Ground squirrel captured by a gopher snake. Jour. Mammal. 20: 106. Feb. 1939.
- TAYLOR, W. P. The wildlife program at the A. and M. College of Texas. Southwestern Sports Mag. 2 (4): 14, 15, 18. Dec. 1938.
- Progress report, Texas cooperative wildlife research unit. In Ann. Rept. Tex. Game, Fish, and Oyster Comn. 1937-38, p. 10-13. 1938.
- Wildlife conservation. In Text-book of Zoology, by George E. Potter. p. 744-759. 1938.
- ZAHNISER, H. Indoors and out. Nature Mag. 32: 63, 118. Feb. 1939.
- Indoors and out. Nature Mag. 32: 127, 172. Mar. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
(continued)

Bureau of Dairy Industry

- BELL, R. W. Effects of the cold storage temperature, heat treatment, and homogenization pressure on the properties of frozen condensed milk. Jour. Dairy Sci. 22: 89-100. Feb. 1939.
- HODGSON, R. E. (With J. C. Knott, V. J. Miller, and H. K. Murer, Wash. Agr. Expt. Sta.) The nutritive value of home grown roughage rations for dairy cattle. Wash. Agr. Expt. Sta. Bul. 366. Nov. 1938.
- WHITTELLER, E. O. Dairy by-products development. Vt. Dairy Plant Operators and Managers Short Course Conf., and Ann. Mtg. Papers. 1938: 63-76.

Bureau of Entomology and Plant Quarantine

- BISHOPP, F. C. Some problems in medical and veterinary entomology. Jour. Parasitol. 25: 1-9. Feb. 1939.
- BUSCK, A. A new woodboring lepidopteron, injurious to fruit trees in Argentina (Family Stenomidae). An. Soc. Cient. Argentina 126: 280-284. Oct. 1938.
- DOHANIAN, S. M. Studies of filbert insects. Oreg. St. Hort. Soc. Ann. Rpt. 30(1938): 145-147.
- HALLER, H. L., and LAForge, F. B. Constituents of pyrethrum flowers. XIV. The structures of the enols and pyrethrolone. Jour. Organic Chem. 5: 543-549. Jan. 1939.
- MUESEBECK, C. F. W. A new species of Heterospilus parasitic on an injurious anobiid (Hymenoptera: Braconidae). Ent. Soc. Wash. Proc. 41: 62-63. Feb. 1939.
- MUESEBECK, C. F. W. Three new hymenopterous parasites of the Lemna fly. Ent. Soc. Wash. Proc. 41: 58-62. Feb. 1939.
- ROARK, F. C. Agricultural products as insecticides. Indus. Engin. Chem. Indus. Ed. 31: 168-171. Feb. 1939.
- SNAPP, O. I. Control of the peach borer with ethylene dichloride emulsion. Amer. Fruit Grower Mag. 59(2): 9, 22, 38. Feb. 1939.
- STEINER, L. I., FAHEY, J. E., and SAZAMA, R. F. Recent developments in codling moth control. Missouri St. Hort. Soc. Proc. (Dec. 1, 1936-Nov. 30, 1938): 155-167. 1938.

Office of Experiment Stations

- SMITH, S. L. Regional cooperative research in home economics. Omicron Wk 18(1): 10-14. 1938.
- and DICKSON, M. A. O.E.S. fourth reader. Jour. Home Econ. 31(2): 102-103. Feb. 1939.
- BARSS, H. P. Danger in unguarded seed importation. (Note) Phytopathology 28: 939. Dec. 1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Forest Service

- AUTEN, J. T. A forest soil research program for the Central States. Jour. Forestry 37(2): 153-156. Feb. 1939.
- CAMPBELL, R. S., and CAMPBELL, I. F. Vegetation on gypsum soils of the Jornada plain, New Mexico. Ecology 19: 572-577. Oct. 1938.
- CULLEY, M. Densimeter, an instrument for measuring the density of ground cover. Ecology 19: 588-590. Oct. 1938.
- GARVER, R. D. The national timber stand. Jour. Forestry 37(2): 92-98. Feb. 1939.
- JOHNSON, H. M. Trends in lumber production in Oregon and Washington. Timberman 40(3): 14-15, 22. Jan. 1939.
- KOEN, H. R. Forestry problems of the Ozarks. Jour. Forestry 37(2): 168-173. Feb. 1939.
- PESSIN, L. P. Ground cover and pine seedlings. Effect of cover on growth of longleaf. Naval Stores Rev. 48(44): 6. Jan. 28, 1939.
- SHEA, J. P. A psychologist looks at the Forest Service. Jour. Forestry 37(2): 148-150. Feb. 1939.
- SILCOX, F. A. A federal plan for forest regulation within the democratic pattern. Jour. Forestry 37(2): 116-119. Feb. 1939.
- STEER, H. B. Before and after reforestation. Timberman 40(3): 12-13. Jan. 1939.

Bureau of Home Economics

- BOOHER, L. E., and WILLIAMS, D. E. A study of the biophotometer as a means of measuring the vitamin A status of human adults. Jour. Nutrition 16: 343-354. Oct. 1938.
- FURRY, M. S. Trade practice rules for the silk industry. Jour. Home Econ. 31: 34-36. Jan. 1939.
- HAYS, M. B. Suggested consumer specifications for six classes of household blankets. Rayon Textile Mo. 20 (2): 71-73. Feb. 1939.
- What we learn from serviceability studies. Jour. Home Econ. 31: 170-172. Mar. 1939.
- STIEBELING, H. K. Check your menus for calcium. Woman's Home Companion 65 (10): 74. Oct. 1938.
- Human conservation and nutrition. Plan Age 4 (10): [279]-291. Dec. 1938.
- and KIRK, D. Vitamin A wears green and yellow. Woman's Home Companion 66 (2): 42-43. Feb. 1939.
- WHITEMAN, E. F. and KING, F. B. A study of the waste in preparation and in cooking of fresh vegetables and the fuel consumed. Jour. Amer. Dietetic Assoc. 14: 615-622. Oct. 1938.

Office of Information

- HARDING, T. S. The tragic neglect of scientific methods. Amer. Jour. Pharm. III(1):19-33. Jan. 1939

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
(continued)

Bureau of Plant Industry

- ALLARD, H. A. A yellow-rayed form of *Solidago bicolor* on Big Cobbler Mountain, Fauquier county, Virginia. *Claytonia* 5:28-30. Jan.1939.
- ANDRUS, C. F. The factorial interpretation of anthracnose resistance in beans. (Abstract) *Phytopathology* 29:1. Jan.1939.
- ARMSTRONG, G.H. and WEINDLING, R. (With J.D. MacLACHLAN, Clemson, S. C. Agr. Coll.) Pathogenicity experiments with isolates of *Fusarium vasinfectum* causing cotton wilt. (Abstract) *Phytopathology* 29:1. Jan.1939.
- ATKINS, I.H. [The wheat breeding program]. Hard Red Winter Wheat Improv. Conf. Rpt. 4:6-7. Mar.1939. Mimeographed.
- BATJER, L. P. Nitrogen fertilization in the apple orchard. *Mountaineer Grower* 10(106):12-13, 15-18. Mar.1939.
- BEATTIE, R.K. and CRANDALL, B.S. Disease attacks the persimmon. Outbreak spreads over large southern area as science seeks its cause and cure. *Amer. For.* 45:120-121, 124. Mar.1939.
- BENNETT, C.W. Movement of the virus of tobacco mosaic. (Abstract) *Phytopathology* 29:1-2. Jan.1939.
- BLAISDELL, D.J. Decay of hardwoods by *Ustulina vulgaris* and other ascomycetes. (Abstract) *Phytopathology* 29:2. Jan.1939.
- BLANK, L.M. The response of *Phymatotrichum omnivorum* to heavy metals and other elements. (Abstract) *Phytopathology* 29:2. Jan.1939.
- BLOOD, H.L. Breeding technique for disease-resistant tomatoes. Study of suitable plant varieties for Pacific Coast and intermountain states. *West. Canner & Packer* 31(2):50. Feb.1939. Also in *Canner* 38(12, pt.2):87-88. Feb.25,1939.
- BRATLEY, C.O. and WINSTON, J.R. Cold storage versus tree storage of Valencia oranges. Some points to be considered in storage of Valencias. *Citrus Indus.* 20(2):8-9,15,22. Feb.1939.
- BRAUN, A.C. and JOHNSON, J. Natural water-soaking and bacterial infection. (Abstract) *Phytopathology* 29:2-3. Jan.1939.
- BRIERLEY, P. Two distinct viruses from the mosaic complex in *Lilium longiflorum*. (Abstract) *Phytopathology* 29:3. Jan.1939.
- CAMPBELL, W.A. *Daedalea unicolor* on maples and other hardwoods. (Abstract) *Phytopathology* 29:3. Jan.1939.
- and DAVIDSON, R. W. Sterile conks of *Polyporus glomeratus* and associated cankers. (Abstract) *Phytopathology* 29:3-4. Jan.1939.
- CASH, E.K. Some Georgia discomycetes. *Jour. Wash. Acad. Sci.* 29:47-51. Feb.15,1939.
- CLAYTON, E.E. and FOSTER, H.H. Fungicidal studies with special reference to the vegetable oils. (Abstract) *Phytopathology* 29:5. Jan.1939.
- You can check blue mold. *South. Agr.* 69(3):13. Mar. 1939.
- COOLEY, J.S. and DAVIDSON, R. W. White root rot of apple trees (*Corticium galactinum*). (Abstract) *Phytopathology* 29:5. Jan.1939.
- DARROW, G.L. (With E.B. MORROW, N.C. Agr. Expt. Sta.) Breeding new strawberry varieties. *N.C. Agr. Expt. Sta. Bull.* 320. 12 p. Feb.1939.



PUBLICATIONS BY U.S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- DAWSON, P.R., SNYDER, E.F., LEIGHTY, W.R. and REID, F.F. Decomposition of dolomitic limestone in soils when used as a neutralizing agent in complete fertilizers. Jour. Assoc. Off. Agr. Chem. 22:137-141. Feb.1939.
- DIEHL, W.W. Virginia records for three rarely known fungi. Claytonia 5:30-32. Jan.1939.
- DUNEGAN, J.C. Germination experiments with overwintered teliospores of *Tranzschelia pruni-spinosae*. Phytopathology 29:72-78. Jan.1939. (With Ark. Agr. Exp. Sta.)
- DYKSTRA, T.P. A study of the yellow mosaics of potato. (Abstract) Phytopathology 29:6. Jan.1939.
- A study of viruses infecting European and American varieties of the potato, *Solanum tuberosum*. Phytopathology 29:40-67. Jan.1939.
- FENNELL, J.L. Breeding experiments with the South Florida native grapes. Florida State Hort. Soc. Proc. 51:73-76. 1938.
- FOSTER, A.C. Effect of environment on metabolism of tomato plant as related to development of blossom-end rot of the fruit. (Abstract) Phytopathology 29:7. Jan.1939.
- GASKILL, J.O. (With H.E. BREWBAKER, Great West. Sugar Co., Longmont, Calif.) Storage of sugar beets under conditions of high humidity and low temperature. Jour. Amer. Soc. Agron. 31:109-115. Feb.1939.
- GOLDSWORTHY, M.C. and GREEN, E.L. The fungicidal activity of phenothiazine and some of its oxidation derivatives. (Abstract) Phytopathology 29:7-8. Jan.1939.
- GRANT, T.J. Systemic brooming of *Robinia pseudoacacia* and other virus-like diseases of trees. (Abstract) Phytopathology 29:8. Jan.1939.
- HARRIS, L. The value of a ton of farm manure in the North Platte Valley. Nebr. Agr. Exp. Sta. Bull. 318. 20 p. My.1938(Rec'd Feb.1939) (In cooperation)
- HARTER, L.L. Physiologic races of the fungus causing bean rust. (Abstract) Phytopathology 29:9. Jan.1939.
- HARTLEY, C. The clonal variety for tree planting: asset or liability? (Abstract) Phytopathology 29:9. Jan.1939.
- HUTCHINS, L.M. Apparent localization of phony disease virus in the woody cylinder. (Abstract) Phytopathology 29:12. Jan.1939.
- and RUE, J.L. Promising results of heat treatments for inactivation of phony disease virus in dormant peach nursery trees. (Abstract) Phytopathology 29:12. Jan.1939.
- JENKINS, M.T. New developments that may affect the corn industries. The importance of corn hybrids to the corn industry. Iowa Corn Res. Inst. Contrib. 1:208-212. Jan.1939.
- JOHANN, H. Sclerospores in *Diplodia zeae*. Phytopathology 29:67-71. Jan.1939. (With Wis. Agr. Expt. Sta.)
- JOHNSTON, C. O. Leaf rust; stem rust. Hard Red Winter Wheat Improv. Conf. Rpt. 4:8-14. Mar.1938. Mimeographed.
- JONES, E.A. Onion breeding. Market Growers Jour. 64:55,56. Feb.1,1939.

PUBLICATIONS BY U.S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- KIENHOLZ, J.R. Stony pit, a transmissible disease of pears. (Abstract) Phytopathology 29:13. Jan.1939.
- LAMBERT, E.B. A spore isolator combining some of the advantages of the La Rue and Keitt methods. (Note) Phytopathology 29:212-214. Feb.1939.
- LATHAM, D.H., DOAK, K.D. and WRIGHT, E. Mycorrhizae and pseudomycorrhizae on pines. (Abstract). Phytopathology 29:14. Jan.1939.
- and DAVIS, W.C. Some recent disease developments in forest tree nurseries. (Abstract). Phytopathology 29:14. Jan.1939.
- LEFEBVRE, C.L., AYERS, T.T. and JOHNSON, H.W. A bacterial wilt of lespedeza. (Abstract) Phytopathology 29:15. Jan.1939.
- McKINNEY, H.H. Comparative studies on two genotypes of Nicotiana tabacum resistant to Nicotiana virus 1. (Abstract) Phytopathology 29:16. Jan.1939.
- MAGNESS, J.R. Use of boron for control [of] internal cork in apples. East. Fruit Grower 1(12):10,21. Feb.1939.
- MOSS, E.G. How to fight blue mold and some other ways to insure healthy tobacco plants. Prog. Farmer Car.-Va. Ed. 54(3):7,53. Mar.1939.
- PARKER, J.H. Crop testing nurseries. Hard Red Winter Wheat Improv. Conf. Rpt. 4:20-21. Mar.1938. Mimeographed.
- POOLE, C.F. and GRIMBALL, P.C. Inheritance of new sex forms in Cucumis melo L. Jour. Heredity 30:21-25. Jan.1939.
- POST, T.B. "Ruffled" color. A new unstable gene. Jour. Heredity 30:27-31. Jan.1939.
- QUIRK, A.J. A rapid reagent-indicator method for the detection of the mosaic virus agent in the tobacco plant. (Abstract) Phytopathology 29:20. Jan.1939.
- ROBINSON, J.L. (With M.S. ZUBER, Iowa Agr. Expt. Sta. senior author) 1938 Iowa corn yield test. Iowa Agr. Expt. Sta. Bull. 379. 77 p. Feb.1939.
- ROBINSON, T.R. Further notes on the Perrine episode. Florida State Hort. Soc. Proc. 51:83-84. 1938.
- ROSE, D.H. Precooling and shipping Florida strawberries. Proper methods for growers and shippers result in finer berries and better prices on arrival. Fla. Grower 47(3):5,17. Mar.1939.
- SCHOTH, H.A. Ladino clover for western Oregon. Oreg. Agr. Expt. Sta. Circ. 129. 8 p. Nov.1938. (In cooperation)
- SCHRICKER, J.A. and DAWSON, P.R. Improved molybdenum blue reagents for determination of phosphorus and arsenic. Jour. Assoc. Off. Agr. Chem. 22:167-179. Feb.1939.
- SCHULTZ, E.S. A non-transmissible spindling sprout of potato. (Abstract) Phytopathology 29:21. Jan.1939.
- SHANDS, R.G. Chevron, a barley variety resistant to stem rust and other diseases. Phytopathology 29:209-211. Feb.1939.

-----

PUBLICATIONS BY U.S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- SMITH, Edwin. Requisites for successful shipment under refrigeration. Good cars and preparation for service so cold air will be efficiently distributed. Frozen Food Rec. 2:109-110. Feb.1939. In West. Canner & Packer v.31, no.2. Feb.1939.
- SMITH, T.E. and GODFREY, R.K. Field survey of the relation of susceptible weeds to Granville-wilt control. (Abstract) Phytopathology 29:22. Jan.1939.
- SNEELLING, R.C. (With G.H. DUNGAN, C.M. WOODWORTH, A.L. LAND and J. H. Bigger, Ill. Agr. Expt. Sta., senior authors) Developments in hybrid corn production. 51 p. Springfield, Illinois Farmers' Inst., [1938]
- SPRAGUE, G.F. Corn hybrids for Missouri. Missouri Agr. Expt. Sta. Circ. 201. 27 p. Jan.1939.
- SPRAGUE, R. (With W.B. COOKE, Oreg. Agr. Expt. Sta.) Some fungi imperfecti from the Pacific northwest. Mycologia 31:43-52. Jan./Feb.1939.
- SWANSON, A.F. Pasturing winter wheat. Hard Red Winter Wheat Improv. Conf. Rpt. 4:25. Mar.1938. Mimeographed.
- TAPKE, V.F. Influence of environment, after seedling emergence, on loose smut of oats and covered smut of barley. (Abstract) Phytopathology 29:22-23. Jan.1939.
- THOM, C. (With E.M. EAST, Harvard Univ.) Biographical memoir of George Perkins Clinton, 1867-1937. Natl. Acad. Sci. Biographical Mem. 20:183-196. 1938.
- TYSDAL, H.M. (With T.A. KIESSELBACH, Nebr. Agr. Expt. Sta.) Alfalfa nursery technic. Jour. Amer. Soc. Agron. 31:83-98. Feb.1939.
- WALTER, J.M. Effects of Ceratostomella ulmi on Ulmus americana and some types of European elm. (Abstract) Phytopathology 29:23. Jan.1939.
- WEISS, F. (With F.A. HAASIS, Cornell Univ.) Mercuric oxide as a soil antiseptic against Fusarium rot of narcissus bulbs. (Abstract) Phytopathology 29:23. Jan.1939.
- WELLMAN, F.L. and BLAISDELL, D.J. Differences in cultural characters and pathogenicity of strains of tomato-wilt Fusarium. (Abstract) Phytopathology 29:24. Jan.1939.
- WILCOX, M.S. Phomopsis twig blight of blueberry. Phytopathology 29:136-142. Feb.1939.
- YORK, H.H. Mycorrhizae of red pine (Pinus resinosa) in relation to their environment and the well-being of the trees. (Abstract) Phytopathology 29:24. Jan.1939.
- ZAUNEYER, W.J. Two new viruses affecting pea. (Abstract) Phytopathology 29:25. Jan.1939.
- Varietal reaction of peas to Septoria pisa. (Abstract) Phytopathology 29:25. Jan.1939.

Bureau of Public Roads

- CARPENTER, J.C. Value of modern topographic mapping. Roads and Streets 82: 48-52, Feb. 1939.
- CONNER, C.H. Highway design. Engin. News-Rec. 122: 42, Jan. 19, 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Public Roads (continued)

- CRAIG, R.E. Automatische registreertoestellen voor het tellen van het wegverkeer. Wagon 15: 35-43, Jan. 16, 1939.
- DEKLOTZ, L.A. Base areas of stockpiles. Engin. News-Rec. 122: 71, Jan. 19, 1939.
- MacDONALD, T.H. Que es lo que se espera de nuestras carreteras? Annales Ingen. 46: 654-60, Sept.-Nov. 1938.
- United States and European practices in road development. Roads and Streets 82: 53-58, Feb. 1939.
- McKENNEY, H.J. Recommends four major highway improvements in Rhode Island. Nebra 18: 4A, Feb. 18, 1939.
- ROSE, A.C. The Michigan road. Tenn. Road builder 10: 5, 17-18, Feb. 1939.
- The Santa Fe trail, pt. 2. Road Builders News 39: 10-13, Jan. 1939.
- SWAIN, C.E. Text of address delivered ... at banquet of Ohio Good roads federation. Highway Topics 16: 9, Jan. 1939.
- WILLIS, E.A. Graded soil mixtures for road surface and base courses. Roads and Streets 82: 25-30, Jan. 1939.

Soil Conservation Service

- BENNETT, H. H. Soil conservation faces gigantic task. Forestry News Digest. Jan. 1939. p.12-13.
- CLARK, B.B. Fence lines changed to follow contour. Agr. Leaders' Digest 20(2):18-19. Feb. 1939.
- [HARPER, F. B.] Laramie county contouring increases yield. Who. Stockman Farmer 45(1): 1,12. Jan. 1939.
- Wyoming rancher uses planned range program. West Farm Life. Jan.15, 1939. p.5,10.
- HOLMES, G. W. and ROUSE, H. A theory of silt transportation. Discussion. Amer. Soc. Civ. Engin. Proc. 65: 303-307. Feb. 1939.
- HORTON, R. E. The Muskingum rainfall maps. Bul. Amer. Met. Soc. 19: 454-456. Dec. 1938.
- HOWARD, I. M. Contoured pastures. South. Agr. 69 (3): 21. Mar. 1939.
- IRELAND, H. A. "Lyell" gully, a record of a century of erosion. Jour. Geol. 47: 47-63. Jan/Feb. 1939.
- LOUGH, L. L. Contours conserve plant food as well as soil moisture. Agr. Leaders' Digest 20(2): 14-15. Feb. 1939.
- ROUSE, H. Laboratory investigation of flume traction and transportation. Discussion. Amer. Soc. Civ. Engin. Proc. 65: 291-296. Feb. 1939.
- SAWYER, L. E. The farm forestry situation in the central states. Jour. Forestry 37: 173-180. Feb. 1939.
- WALSER, P. H. You and water and the government. Destroy nature's balance and we have flood and drouth,, until the drouth vanquishes the flood and we have desert. Cattleman 25 (8): 72. Jan. 1939.
- WRIGHT, B. Top-dressed grassland stops soil washing. Agr. Leaders' Digest 20 (2): 12,14. Feb. 1939.

AGRICULTURAL LIBRARIES SECTION PROGRAM

American Library Association

San Francisco, June 23, 1939, 2:30 p. m.

Chairman: W. P. Kellam

Secretary: Janice S. Brown

Reference and research work in engineering libraries. By Ralph R. Shaw,  
Librarian, Public Library, Gary, Indiana.

The amateur gardener's library. By Sydney B. Mitchell, Director, Uni-  
versity of California School of Librarianship, Berkeley, California.

## Reports:

Reorganization Committee. Jackson E. Towne, Chairman.

Committee on Cooperative Bibliographical Aid. Louise O. Bercaw,  
Chairman.Eunice Rockwood Oberly Memorial Fund Committee. Cora L. Feldkamp,  
Chairman.

Nominating Committee.

Discussion period. Open for any subject.

At the Kansas City meeting, several librarians deplored the lack of time at the meeting of the Section for discussion, as one expressed it, of "common problems which are important in our everyday work". There will be at least twenty minutes available at the San Francisco meeting for such discussion. Doubtless this could become an annual feature of the program if advantage is taken of the opportunity this year. Including the discussion period the program will probably be less than two hours in length. It is hoped, therefore, that those attending the meeting will come prepared with questions.

---

The Reorganization Committee was appointed to consider the advisability of having the Agricultural Libraries Section become a subsection of the Association of College and Reference Libraries, and to study the functions and aims of the Agricultural Librarians Section. Mr. Jackson Towne, Librarian of Michigan State College, who is Chairman of the Committee, has attempted to send all librarians concerned a questionnaire regarding certain changes in the Section but in the compilation of the mailing list, some who are interested may have been overlooked. Anyone interested who has not received a copy may obtain one upon application to Mr. Towne.

W. P. Kellam,  
Chairman.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK\*

## Alabama

- BARRONS, K. C. Breeding better beans for South. South. Seedsman 2: 4.  
Feb. 1939.
- ROGERS, T. H., and STURKIE, D. G. Effect of fertilizers and method of  
their application on nodulation, growth, and nitrogen content of hairy  
vetch. Jour. Amer. Soc. Agron. 31: 141-148. Feb. 1939.

## Arkansas

- ISELY, D. A cicada as a cotton pest. Kans. Ent. Soc. Jour. 11: 142-143.  
Oct. 1938.
- SANDERSON, M. W. *Elmis columbiensis* Angell, a synonym of *Zaitzevia parvulus*  
(Horn). Kans. Ent. Soc. Jour. 11: 146. Oct. 1938.

## California

- EMERSON, O. H., EMERSON, G. A., and EVANS, H. M. The occurrence of gamma  
tocopherol in corn embryo oil. Science 89: 183. Feb. 1939. (O. H.  
Emerson and G. A. Emerson, Univ. Calif.)
- FOUTS, P. J., HELMER, O. M., and LEPKOVSKY, S. Cure of microcytic  
hypochromic anemia in dogs in crystalline "factor I." Soc. Expt. Biol.  
and Med. Proc. 40: 4-5. Jan. 1939. (P. J. Fouts and O. M. Helmer,  
Lilly Laboratories for Clinical Research, Indianapolis, Ind.)
- HAAS, A. R. C. Some effects of sun-blotch on Fuerte avocado fruit. Calif  
Avocado Assoc. Yearbook, 1938: 103-106. 1938.
- HAAS, A. R. C. Water content of avocado fruit and leaves. Calif. Avocado  
Assoc. Yearbook, 1938: 97-102. 1938.
- HALMA, F. F., and EGGERS, E. R. A promising method for distinguishing  
between Mexican and Guatemalan avocado bark. Calif. Avocado Assoc.  
Yearbook, 1938: 107-108. 1938.
- HINSHAW, W. R. (With E. McNEIL and C. A. KOFOID, Univ. Calif.) The relation-  
ship of *Hexamita* sp. to an enteritis of turkey poults. Cornell Vet. 28:  
281-293. Oct. 1938.
- HODGSON, R. W., and EGGERS, E. R. Correlations between size of seed, seedling  
and nursery trees in the avocado. Calif. Avocado Assoc. Yearbook, 1938:  
92-96. 1938.
- KITTREDGE, J., Jr. [and others] Report of the Committee on watershed manage-  
ment. Jour. Forestry 37: 137-138. Feb. 1939.
- KLOTZ, L. J. Water damage to a citrus relative, *Fortunella margarita*. (Note)  
Phytopathology 29: 214-215. Feb. 1939.
- MRAK, E. M. (With L. BONAR, Univ. Calif.) A note on yeast obtained from  
slimy sausage. Food Research 3: 615-618. Nov.-Dec. 1938.
- PARKER, E. R. Notes on avocados in Florida. Calif. Avocado Assoc. Year-  
book, 1938: 109-111. 1938.

---

\* Prepared in Office of Experiment Stations Library.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (continued)

- PARKER, E. R. The question of avocado fertilization. Calif. Avocado Assoc. Yearbook, 1938: 119-124. 1938.
- SMITH, F. R., and HUGEL, C. S. Serological studies on mastitis. Soc. Expt. Biol. and Med. Proc. 40: 45-48. Jan. 1939.
- TOMPKINS, C. M., GARDNER, M. W., and THOMAS, H. R. Black ring, a virus disease of cabbage and other crucifers. Jour. Agr. Research [U. S.]: 929-943. Dec. 15, 1938.
- WALKER, H. B. Harvesting and processing equipment for walnuts. Agr. Engin. 20: 71-72. Feb. 1939.

## Colorado

- PATTON, A. R., WILGUS, H. S., Jr., and MARSHFIELD, G. S. The production of goiter in chickens. Science 89: 162. Feb. 17, 1939.
- SIMONDS, A. C. The anatomical development of *Lepidium draba*. Jour. Agr. Research [U. S.]: 57. 917-928. Dec. 15, 1938.

## Florida

- ALLISON, R. V. Quick soil tests. Fla. State Hort. Soc. Proc. 51(1938): 45-56. 1938.
- CAMP, A. F. Symptomatology of deficiencies and toxicities of citrus. Fla. State Hort. Soc. Proc. 51(1938): 145-150. 1938.
- EDDINS, A. H. Adjusting pH reactions of soils with sulfur and limestone to control brown rot of potatoes. Amer. Potato Jour. 16: 6-16. Jan. 1939.
- EMMEL, M. W. Fowl leukemia induced by adverse atmospheric conditions. Jour. Amer. Vet. Med. Assoc. 93: 387. Dec. 1938.
- FUDGE, B. R. Magnesium deficiency in relation to yield and chemical composition of seedy and commercially seedless varieties of grapefruit. Fla. State Hort. Soc. Proc. 51(1938): 34-43. 1938.
- FUTCH, M. C., RUSOFF, L. L., and BECKER, R. B. The vitamin A content of dried citrus pulp. Jour. Dairy Sci. 22: 115-116. Feb. 1939.
- KUNTZ, W. A., and RUEHLE, G. D. Spraying and pruning for melanose control. Fla. State Hort. Soc. Proc. 51(1938): 89-102. 1938.
- NEWELL, W. State plant board problems. Fla. State Hort. Soc. Proc. 51(1938): 85-89. Article with same title appeared in Citrus Indus. 19: 6-7, 19. May 1938.
- PEECH, M. Chemical composition of Florida citrus soils. Fla. State Hort. Soc. Proc. 51(1938): 56-63. 1938.
- Articles with same title appeared in Citrus Indus. 19: 5, 9, 16-17, 21. June 1938.
- RHOADS, A. S. Limitations of the bark-scraping method in the control of gummosis and psoriasis of citrus. Fla. State Hort. Soc. Proc. 51(1938): 114-127. 1938.
- RUPRECHT, R. W., and WINSOR, H. W. Potato fertilizer experiments - Hastings area. Comp. Fert. 58: 24, 26-27. Feb. 1939.
- SANDERS, D. A., and RUSOFF, L. L. Canine distemper and vitamin A of shark liver oil. Vet. Med. 34: 174-176. March 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Florida (continued)

- THOMPSON, W. L. Results of different methods of oil application for the control of scale insects on citrus. Fla. State Hort. Soc. Proc. 51(1938): 109-114. 1938.
- WATSON, J. R. The white fringed beetle a serious threat to southern agriculture. Fla. State Hort. Soc. Proc. 51(1938): 127-129. 1938.

## Georgia

- WOODROOF, J. G. Method for "fixing ice crystal patterns" in frozen products. Science 89: 87. Jan. 27, 1939.

## Idaho

- BOLIN, D. W. Stability of carotene in green grasses and alfalfa stores at five degrees Fahrenheit. Jour. Dairy Sci. 22: 111-113. Feb. 1939.
- PHILLIPS, R. W., SCHOTT, R. G., and GILDOW, E. M. Longer range paternity in sheep. Jour. Heredity 29: 471-474. Dec. 1938. (R. W. Phillips, and R. G. Schott, U. S. Dept. Agr.)

## Illinois

- BOLEY, L. E., LEVINE, N. D., and KAMMLADE, W. G. A note on the effect of repeated treatment of sheep for Haemonchus contortus. Cornell Vet. 28: 296-298. Oct. 1938.
- CORBETT, W. J., and TRACY, P. H. Preparation of ice cream mixes for home consumption. Food Research 3: 637-645. Nov.-Dec. 1938.
- GAINES, W. L. Live weight and milk-energy yield in the Wisconsin dairy cow competition. Jour. Dairy Sci. 22: 49-53. Jan. 1939.
- GRAHAM, R. The disease factor in Illinois poultry mortality. Vet. Med. 34: 170-172. March 1939.
- Article with same title appeared in North Amer. Vet.: 18: 33-35. May 1937.
- LEVINE, N. D., BRANDLY, C. A., and GRAHAM, R. The cultivation of Tritrichomonas foetus in developing chicken eggs. Science 89: 161-162. Feb. 17, 1939.
- RUEHE, H. A. Method, equipment and cost in making cottage cheese and butter-milk. Milk Plant Mo. 28: 23-25. Feb. 1939.

## Indiana

- MAYER, I. D. An approach to better drainage practice. Agr. Engin. 20: 64, 70. Feb. 1939.

## Iowa

- HAMMER, B. W. Microbiological deterioration of butter. Dairy Indus. 3: 407-408, 412. Nov. 1938.
- HIXON, R. M. Levulose sugar. Farm Chemurgic Jour. 1: 38-39. Dec. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Iowa (continued)

- LINCOLN, R. E. Host-parasite interactions with bacterial wilt of maize. Science 89: 159-160. Feb. 17, 1939.
- PRILL, E. A., and HAMMER, B. W. Changes in the diacetyl and the acetyl-methylcarbinol contents during the manufacture of butter. Jour. Dairy Sci. 22: 79-88. Feb. 1939.
- PRILL, E. A., and HAMMER, B. W. Production of diacetyl from citric acid in butter cultures. Jour. Dairy Sci. 22: 67-77. Feb. 1939.
- SCOTT, T. G. Wildlife mortality on Iowa highways. Amer. Midland Nat. 20: 527-539. Nov. 1938.

## Kansas

- ACKERT, J. E., and CASE, A. A. Susceptibility of mature chickens to tape-worm infections. Kans. Acad. Sci. Trans.v.41(1938): 299-302. 1938.
- BECK, G. H., WHITMAN, C. H., and MARTIN, W. H. Relation of vitamin C, lecithin, and carotene of milk to the development of oxidized flavor. Jour. Dairy Sci. 22: 17-29. Jan. 1939.
- DEAN, G. A. The contribution of Kansas to the science of entomology. Kans. Acad. Sci. Trans.v.41(1938): 61-66. 1938.
- GATES, F. C. Kansas botanical notes, 1937. Kans. Acad. Sci.v.41(1938): 97-98. 1938.
- GATES, F. C., and PRINCE, S. F. Taraxacum laevigatum f. scapifolium, a new form of dandelion. Kans. Acad. Sci. Trans.v.41(1938): 119-120. 1938.
- GATES, F. C. Woody plants, native and naturalized in Kansas. Kans. Acad. Sci. Trans.v.41(1938): 99-118. 1938.
- KUNERTH, B. L., and PITTMAN, M. S. A long-time study of nitrogen, calcium and phosphorus metabolism on a low-protein diet. Jour. Nutrition 17: 161-173. Feb. 10, 1939.
- KUNERTH, B. L., and RIDDELL, W. H. Milk as a source of riboflavin (vitamin G). Kans. Acad. Sci. Trans.v.41(1938): 231-232. 1938.
- NELSON, F. E. Protection of ice cream against contamination after pasteurization. Ice Cream Rev. 22: 46, 69, 70. Feb. 1939.
- PITTMAN, M. S., and KUNERTH, B. L. A long-time study of nitrogen, calcium and phosphorus metabolism on a medium-protein diet. Jour. Nutrition 17: 175-185. Feb. 10, 1939.
- ROMINE, D. S., and METZGER, W. H. Phosphorus fixation by horizons of various soil types in relation to dilute acid extractable iron and aluminum. Jour. Amer. Soc. Agron. 31: 99-108. Feb. 1939. (D. S. Romine, Kans. State Col.)
- SMITH, R. C. A preliminary report on the insects attacking bindweed, with special reference to Kansas. Kans. Acad. Sci. Trans.v.41(1938): 183-191. 1938.
- THROCKMORTON, R. I. Grain sorghums. Farm Chemurgic Jour. 1: 44-47. Dec. 1938.

## Louisiana

- HOFFSOMMER, K. Social aspects of farm labor in the South. Rural Sociol. 3: 434-445. Dec. 1938.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Maine

- BRAUTLECHT, C. A. Plan for a modern cooperative potato starch factory.  
Farm Chemurgic Jour. 1: 82-88. Dec. 1938.

Maryland

- DIKMANS, G., and POELMA, L. J. Bovine genital trichomoniasis with special reference to diagnosis. Jour. Amer. Vet. Med. Assoc. 93: 362-366. Dec. 1938. (G. Dikmans, U. S. Dept. Agr.)

Massachusetts

- CROOKS, G. C., and RITCHIE, W. S. A study of rate of decomposition of haddock muscle at various temperatures as indicated by ammonia content. Food Research 3: 589-598. Nov.-Dec. 1938.
- HAYS, F. A. Inherited characters affecting egg production. Mass. Fed. Poultry Assoc. Year Book, 1938: 30-31. 1938.
- VON ROEMEL, H. Massachusetts flock owners are successful in pullorum disease eradication. Mass. Fed. Poultry Assoc. Year Book, 1938: 7. 1938.
- VAN ROEMEL, H., BULLIS, K. L., and CLARKE, M. K. Preliminary report on infectious avian encephalomyelitis. Jour. Amer. Vet. Med. Assoc. 93: 372-375. Dec. 1938.

Michigan

- COOK, R. L. A mixer and sampler for greenhouse soils. (Note) Jour. Amer. Soc. Agron. 31: 171-174. Feb. 1939.
- GILTNER, N. The training of veterinarians for milk hygiene. Jour. Amer. Vet. Med. Assoc. 93: 367-371.
- MYER, D. B., and HUDDLESON, I. F. The relation between the presence of Brucella abortus and agglutinins in milk in cattle showing a blood agglutination titer of 1-200 or higher. Cornell Vet. 28: 293-295. Oct. 1938.

Minnesota

- BAILEY, C. H. New products from wheat. Farm Chemurgic Jour. 1: 25. Dec. 1938.
- BECKER, C. L. Effect of colchicine on chromosome number and cell size in some horticultural plants. Minn. Acad. Sci. Proc. v.6(1938): 26-30. 1938.
- COLE, C. L., and WINTERS, L. M. Artificial insemination in dairy cattle. Jour. Dairy Sci. 22: 107-110. Feb. 1939.
- CURRENCE, T. M. A test of the newer tomato varieties. Minn. Hort. 67: 38-39. Feb. 1939.
- FITCH, C. P., and BISHOP, L. M. The wild rat as a host of brucella abortus. Cornell Vet. 28: 304-306. Oct. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Minnesota (continued)

- JOHNSON, W. M. Infiltration and capillary rise in sandy soils. Minn. Acad. Sci. Proc.v.6(1938): 44-51. 1938.
- KELLY, P. L., and PETERSEN, W. E. The site of fat synthesis in the mammary gland. Jour. Dairy Sci. 22: 7-16. Jan. 1939.
- LEACH, J. G., DEUIER, P., and BECKER, H. Pathogenic races of Actinomyces scabies in relation to scab resistance. Phytopathology 29: 204-209. Feb. 1939.
- MCCANN, L. J. Studies on the grit requirements of certain upland game birds. Jour. Wildlife Mangt. 3: 31-41. Jan. 1939.
- MACY, H. Ice cream from the health standpoint. Dairy Indus. 3: 429-430. Nov. 1938.
- ROST, C. O., and SOINE, O. C. Characteristics of some forest soils developed on the young red (Patrician) drift. Minn. Acad. Sci. Proc.v.6(1938): 59-64. 1938.
- RUGGLES, A. G. Plant pest control: winter treatment, summer treatment. Minn. Hort. 67: 29. Feb. 1939.
- SATORIUS, M. J., and CHILD, A. M. Effect of coagulation on press fluid, shear force, muscle-cell diameter, and composition of beef muscle. Food Research 3: 619-626. Nov.-Dec. 1938.
- SATORIUS, M. J., and CHILD, A. M. Problems in meat research. I. Four comparable cuts from one animal. II. Reliability of judges' scores. Food Research 3: 627-635. Nov.-Dec. 1938.
- WILCOX, A. N. [and others] The search for natural history areas in Minnesota: report of the Committee on the preservation of natural conditions. Minn. Acad. Sci. Proc.v.6 (1938): 20-25. 1938.
- WU, S. K. The relationship between the origin of selfed lines of corn and their value in hybrid combination. Jour. Amer. Soc. Agron. 31: 131-140. Feb. 1939.

## Missouri

- HAMMAR, C. H. Extending public control and management of forest land without purchase. Jour. Forestry 37: 3-13. Jan. 1939.
- LEWIS, A. A., TURNER, C. W., and GOMEZ, E. T. The biological assay of the mamogenic duct growth factor of the anterior pituitary. Endocrinol 24: 157-164. Feb. 1939.
- WESTVELD, R. H. [and others] Report of Committee on farm forestry education in the agricultural colleges. Jour. Forestry 37: 123-129. Feb. 1939.

## Montana

- TUNNICLIFF, E. A. An improved medium for the storage of Actinomyces necrophorus cultures. Jour. Infect. Disease 63: 113-116. July-Aug. 1938.

-----  
ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Nebraska

- JACKSON, M. L., and WELDON, M. D. Determination of the weight of water in a soil or subsoil mass in which the moisture content increases with distance from a plant or group of plants. Jour. Amer. Soc. Agron. 31: 116-127. Feb. 1939.
- LEVERTON, R. M., and MARSH, A. G. Comparison of food intakes for weekdays and for Saturday and Sunday. Jour. Home Econ. 31: 111-114. Feb. 1939.
- TYSDAL, H. M., and KIESSELBACH, T. A. Alfalfa nursery technic. Jour. Amer. Soc. Agron. 31: 83-98. Feb. 1939.

Nevada

- HEADLEY, F. B. The calculation of fat corrected milk by means of a momograph chart. Jour. Dairy Sci. 22: 41-42. Jan. 1939.

New Hampshire

- PRINCE, F. S. What seeds mixtures make better pastures? Better Crops with Plant Food 23: 18-20, 39-40. Jan. 1939.

New Jersey

- FOSTER, J. W., and WAKSMAN, S. W. Fumaric acid formation associated with sexuality in a strain of *Rhizopus nigricans*. Science 89: 37. Jan. 13, 1939.
- REECE, R. P., and MIXNER, J. P. Effect of testosterone on pituitary and mammary gland. Soc. Expt. Biol. and Med. Proc. 40: 66-67. Jan. 1939.
- REECE, R. P. Initiation of lactation in the albino rat with lactogen and adrenal cortical hormone. Soc. Expt. Biol. and Med. Proc. 40: 25-27. Jan. 1939.
- REECE, R. P., HATHAWAY, I. L., and DAVIS, H. P. The lactogen content of the pituitary gland of the lactating rat. Jour. Dairy Sci. 22:1-5. Jan. 1939.
- TOTH, S. J. The stimulating effects of silicates on plant yields in relation to anion displacement. Soil Sci. 47: 123-141. Feb. 1939.
- WAKSMAN, S. A., CORDON, T. C., and HULPOI, N. Influence of temperature upon the microbiological population and decomposition processes in composts of stable manure. Soil Sci. 47: 83-113. Feb. 1939.
- WAKSMAN, S. A., and FOSTER, J. W. Respiration and lactic acid production by a fungus of the genus *Rhizopus*. Jour. Agr. Research (U. S.) 57: 873-899. Dec. 15, 1939.
- WALL, M. E. The role of potassium in plants. I. Effect of varying amounts of potassium on nitrogenous, carbohydrate, and mineral metabolism in the tomato plant. Soil Sci. 47: 143-161. Feb. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

New York (Cornell)

- FRAMPTON, V. L. (With A. M. SAUM, Cornell Univ.) An estimate of the maximum value for the molecular weight of the tobacco mosaic virus protein. *Science* n.s. 89: 84-85. Jan. 27, 1939.
- HILDEBRAND, E. M. Studies on fire-blight ooze. *Phytopathology* 29: 142-156. Feb. 1939.
- POST, K. Care of stock chrysanthemums. *Florists Exch.* 92: 10. Jan. 14, 1939.
- SANDERSON, D. Criteria of rural community formation. *Rural Sociol.* 3: 373-384. Dec. 1938.
- WILSON, J. K. A relationship between pollination and nodulation of the Leguminosae. *Jour. Amer. Soc. Agron.* 31: 159-170. Feb. 1939.

New York State

- DICK, L. A. Contamination of drinking glasses by streptococci. *Jour. Bact.* 37: 224-225. Feb. 1939.
- HOFFER, A. W., and HAMILTON, H. C. Further experiments in the disinfection of seeds. *Jour. Bact.* 37: 224. Feb. 1939.
- KERTESZ, Z. I. Effect of calcium on plant tissues. *Fruit Prod. Jour. and Amer. Vinegar Indus.* 18: 176, 187. Feb. 1939.
- Article with same title appeared in *Canner* 88: 26-27. Jan. 21, 1939.
- PEDERSON, C. S., and KELLY, C. D. Development of pink color in sauerkraut. *Food Research* 3: 583-588. Nov.-Dec. 1938.
- SUIT, R. F., and HORSFALL, J. G. A simple method of measuring the interfacial friction of dusted seeds. *Phytopathology* 29: 200-204. Feb. 1939.
- TRESSLER, D. K. Some new uses for fruit. *Fruit Prod. Jour. and Amer. Vinegar Indus.* 18: 164-166, 180. Feb. 1939.

North Carolina

- ANDERSON, D. B. The structural organization of cellulose in cotton fibers. (Abstract) *Science* 88: 476. Nov. 18, 1938.

North Dakota

- HANSON, H. C. Check-areas as controls in land use. *Sci. Mo.* 48: 130-146. Feb. 1939.
- MUNRO, J. A., and SAUGSTAD, S. A measure of the flight capacity of grasshoppers. *Science* 88: 473-474. Nov. 18, 1938.

Ohio

- MUMFORD, C. F., and PERKINS, A. E. A rapid method for determining moisture in roughages. *Jour. Dairy Sci.* 22: 37-39. Jan. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(Continued)

## Oklahoma

STANDING, T. G. Race consciousness as reflected in the negro press. South-west. Social Sci. Quart. 19: 269-280. Dec. 1938.

## Oregon

- DOUGHERTY, R. W. Sickie cells in the blood of western deer. Jour. Wildlife Mangt. 3: 17-18. Jan. 1939.
- MILBRATH, J. A. Tomato tip-blight virus. Phytopathology 29: 156-168. Feb. 1939.
- McWHORTER, F. P. Roguing of dark red tulips for mosaic disease. Florists Exch. 92: 17. Jan. 21, 1939. (In Coop. with U. S. Dept. Agr.)
- SPRAGUE, R., and COOKE, W. B. Some fungi imperfecti from the Pacific Northwest. Mycologia 31: 43-52. Jan.-Feb. 1939. (In Coop. with U. S. Dept. Agr.)
- ZELLER, S. M. New and noteworthy Gasteromycetes. Mycologia 31: 1-32. Jan.-Feb. 1939.

## Pennsylvania

- DAHLE, C. D. An antioxidant for dairy products. Ice Cream Trade Jour. 34: 16, 33. Dec. 1938.
- Articles with the same title appeared in Dairy Indus. 3: 358-359, Sept. 1938, and South. Dairy Prod. Jour. 24: 36, 39, Dec. 1938.
- HOYNAK, S., POLANSKY, T. S., and STONE, R. W. Studies of cacao fermentation. Jour. Bact. 37: 233-234. Feb. 1939.
- JOHNSON, S. R. The level of inorganic phosphorus in the blood of dairy cattle. Jour. Nutrition 17: 15-21. Jan. 10, 1939.
- KNIGHT, C. A., DUTCHER, R. A., and GUERRANT, N. B. The quantitative determination of vitamin C in milk. Science 89: 183-185. Feb. 24, 1939.
- KRISS, M. A comparative study of the metabolism of certain amino acids, with special reference to respiratory exchange and heat production. Jour. Nutrition 17: 1-14. Jan. 10, 1939.
- McAULIFFE, H. D., FARRELL, M. A., HALEY, D. E., and Reid, J. J. A study of the epidemiology of tobacco wildfire. Jour. Bact. 37: 234. Feb. 1939.
- NAGHSKI, J., McAULIFFE, H. D., HALEY, D. E., and REID, J. J. The relation of delayed ammonification and nitrification to leaf spots of tobacco. Jour. Bact. 37: 234. Feb. 1939.
- REID, J. J., NAGHSKI, J., Harris, R. G., and McAULIFFE, H. D. A cultural and serological study of *Phytopomonas tabaca* and certain related forms. Jour. Bact. 37: 234-235. Feb. 1939.

## Puerto Rico

- ARROYO, R. Alpha cellulose from sugar cane bagasse and foliage. Puerto Rico Sugar Manual, 1938: 26-26. 1938.
- BAILEY, W. K. Vegetative reproduction of squash types. Science n.s. 89: 128-129. Feb. 10, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Puerto Rico (continued)

- BARTLETT, K. A. Biological control of the sugarcane moth borer in Puerto Rico. Puerto Rico Sugar Manual, 1938: 7-9. 1938.
- COOK, M. T. Dry top rot disease. Puerto Rico Sugar Manual, 1938: 12-13. 1938.
- LEE, A. The Puerto Rico Experiment Station of the United States Department of Agriculture. Puerto Rico Sugar Manual, 1938: 7. 1938.
- NOLLA, J. A. B. The sugar cane industry in Puerto Rico, problems in research. Puerto Rico Sugar Manual, 1938: 5-6. 1938.

## Rhode Island

- ODLAND, T. E., and LEPPER, R., Jr. A crinkled leaf mutation in alfalfa. Jour. Amer. Soc. Agron. 31: 128-130. Feb. 1939.

## South Carolina

- JENKINS, J. M., Jr. Sources of nitrogen for truck crops. Com. Fert. 58: 22. Feb. 1939.

## Tennessee

- NEEL, L. R. Legumes for pasture improvement. South. Seedsman 2: 6, 12. Feb. 1939.

## Texas

- FRAPS, G. S., and STERGES, A. J. Effect of phosphates on nitrifying capacity of soils. Soil Sci. 47: 115-121. Feb. 1939.
- FRIEND, W. H. Fertilization of Texas citrus trees. Texas Farming and Citriculture 15: 8. Feb. 1939.
- FRIEND, W. H. Wound protectants for citrus trees. Texas Farming and Citriculture 15: 7. Feb. 1939.
- GODFREY, G. H. New Use for World War tear gas: sterilization of soil and nematode control offers peace time use for chloropicrin. South. Seedsman 2: 3, 14, 20. Feb. 1939.
- LYLE, E. W. Rose diseases and their control. Texas Farming and Citriculture 15: 14. Feb. 1939.
- RANDOLPH, T. B. Control of cabbage insects. Texas Farming and Citriculture 15: 18. Feb. 1939.
- Article with the same title appeared in the same journal, v. 15, p. 7, 11. Oct. 1938.

## Utah

- ISRAELSEN, O. W. Water application efficiencies. Agr. Engin. 20: 55-56. Feb. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(Continued)

## Virginia

- COOK, H. T., and NUGENT, T. J. The influence of acid-forming and non-acid forming fertilizer on the development of potato scab. Amer. Fert. 90:5-7. Feb. 4, 1939; Same. Amer. Potato Jour. 16: 1-5. Jan. 1939. (Va. Truck)
- HOFMANN, F. W. Orchard soil fertility safeguards. Va. State Hort. Soc., Va. Fruit 27: 22, 24-26. Feb. 1939.
- PINCKARD, J. A. (With F. A. WOLF, R. McLEAN, F. R. DARKIS, and P. M. GROSS, Duke Univ.) Laboratory studies on toxicity of benzol vapors to tobacco seedlings and to Peronospora tabacina. Phytopathology 29: 177-187. Feb. 1939.
- PINCKARD, J. A. (With R. McLEAN, Duke Univ.) Paradichlorbenzol, an eradicant fungicide, effective against downy mildew of tobacco. (Note) Phytopathology 29: 216-219. Feb. 1939.
- WOLF, F. A., PINCKARD, J. A., DARKIS, F. R., McLEAN, R., and GROSS, P. M. Field studies on concentration of benzol vapors as used to control downy mildew of tobacco. Phytopathology 29: 103-120. Feb. 1939. (In Coop. with Duke Univ.)

## Washington

- LANDIS, P. H. Social aspects of farm labor in the Pacific states. Rural Sociol. 3: 421-433. Dec. 1938.

## West Virginia

- BROWN, W. C., and DUSTMAN, R. B. Oxidized flavor in milk. VI. A study of the relation of titratable acidity to metal-developed oxidized flavor in milk. Jour. Dairy Sci. 22: 31-35. Jan. 1939.

## Wisconsin

- ALBERT, A. R., LARSON, R. H., and WALKER, J. C. The comparative productivity of seed potatoes grown on sandy and on peat soils in central Wisconsin. Amer. Potato Jour. 16: 16-24. Jan. 1939.
- CARLSON, E. R. Direct reading catalase test tubes. Cornell Vet. 28: 331-345. Oct. 1938.
- CARLSON, E. R. Potassium permanganate reduction test for mastitis. Vet. Med. 34: 160-161. March 1939.
- CHRISTENSEN, W. B., JOHNSON, M. J., and PETERSON, W. H. Properties of the lactic acid-racemizing enzyme of Clostridium butylicum. Jour. Biol. Chem. 27: 421-430. Feb. 1939.
- DUFFEE, F. W. Mechanizing forage crop handling. Agr. Engin. 20: 47-49. Feb. 1939.
- HOVE, E., ELVEHJEM, C. A., and HART, E. B. Further studies on zinc deficiency in rats. Amer. Jour. Physiol. 124: 750-758. Dec. 1, 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Wisconsin (continued)

- IRWIN, M. H., WEBER, J., STEENBOCK, H., and GODFREY, T. M. The influence of hydrogenation and oxidation of fats upon their rate of absorption. Amer. Jour. Physiol. 124: 800-803. Dec. 1, 1938.
- LANGHUS, W., ELLIKER, P. R., and PRICE, W. V. Milk and starters for Brick cheese. Jour. Dairy Sci. 22: 101-106. Feb. 1939. (W. Langhus and P. R. Elliker, Univ. Wis.)
- LEASE, E. J., LEASE, J. G., STEENBOCK, H., and BAUMANN, C. A. The biological value of carotene in various fats. Jour. Nutrition 17: 91-102. Jan. 10, 1939.
- LEASE, E. J., and STEENBOCK, H. Diet and rate of depletion of hepatic vitamin A. Jour. Nutrition 17: 85-90. Jan. 10, 1939.
- LEOPOLD, A. (With E. B. MOORE and L. K. SOWLS) Wildlife food patches in southern Wisconsin. Jour. Wildlife Mgmt. 3: 60-69. Jan. 1939.
- OLSON, F. R., HEGSTED, D. M., and PETERSON, W. H. Determination of carotene and vitamin A in milk. Jour. Dairy Sci. 22: 63-66. Feb. 1939.
- PETERSON, E. H., HASTINGS, E. G., and HADLEY, F. B. The pathology of non-specific mastitis and consideration of possible etiological agents. Cornell Vet. 28: 307-324. Oct. 1938.
- QUACKENBUSH, F. W., PLATZ, B. R., and STEENBOCK, H. Rat acrodynia and the essential fatty acids. Jour. Nutrition 17: 115-126. Feb. 10, 1939.
- ROGERS, L. A., HARDELL, R. E., and FEUTZ, F. The relation of the quality of milk to the grade of Swiss cheese. Jour. Dairy Sci. 22: 43-48. Jan. 1939. (L. A. Rogers and R. E. Hardell, U. S. Dept. Agr.)
- WALKER, J. C. Freezing injury to canning peas. Phytopathology 29: 188-194. Feb. 1939.
- WALKER, J. C. Internal black spot of garden beet. Phytopathology 29: 130-128. Feb. 1939.
- WIESE, A. C., JOHNSON, B. C., ELVEHJEM, C. A., HART, E. B., and HALPIN, J. G. A study of blood and bone phosphatase in chick perosis. Jour. Biol. Chem. 27: 411-420. Feb. 1939.
- WILDE, S. A. Soil-fertility standards for growing northern conifers in forest nurseries. Jour. Agr. Research [U. S.] 57: 945-952. Dec. 15, 1938.
- WILSON, P. W., UMBREIT, W. W., and LEE, S. B. Mechanism of symbiotic nitrogen fixation. IV. Specific inhibition by hydrogen. Biochem. Jour. 32: 2084-2095. Dec. 1938. (P. W. Wilson and S. B. Lee, Univ. Wis.)

- o - o - o - o - o - o - o - o -

CONGRESSES

Seventh World's Poultry Congress and Exposition. Cleveland, Ohio, July 28-August 7, 1939. Secretary-Treasurer: Dr. G. F. Heuser, Cornell University, Ithaca, N. Y.

- o - o - o - o - o - o - o - o -



NOTES ON PERIODICALS

## New, Changed and Discontinued

- A "Bracatinga"; revista agricola mensal. Edicao ultramar. Caixa Postal 8011. Sao Paulo, Brasil. 8° il. ano. 1, num. 1, Jan. 1939. Free.
- The Agrarian; official student publication, Clemson agricultural college. Clemson, S. C. quar. 4° il. vol. 1, no. 1, Dec. 1938. Price not stated.
- Argentine republic. Direccion de investigaciones, archivo y propaganda. Division de publicidad y propaganda Argentine news. Arenales 761, Buenos Aires. mo. f° il. no. [2] Nov. 1938. Price not stated.
- Burma trade journal, Dept. of commerce and industries (Statistical branch), Secretariat, Rangoon, Burma, India. mo. f°. vol. 1, no. 1, Jan. 1938. Price not stated.
- The Citrus grower. Florida citrus growers, inc., Orlando, Fla. semi-mo. 4° il. vol. 1, no. 1, Nov. 15, 1938. \$1.00 a year.
- The Delta council news. Delta council, Stoneville, Miss. mo. f° il. vol. 1, no. 1, Nov. 1938. Price not stated.
- Der Deutsche landwirt. Prag. Discontinued since Oct. 1, 1938.
- 4-H horizons. Wellesley, Mass. mo. except July and August. 4° il. vol. 1, no. 1, Jan. 1939. Subscription to 4-H members, local leaders, extension workers, \$1.00 a year; all others, \$2.00 a year.
- Gartenzeitung der Osterreichischen gartenbau gesellschaft in Wien. Discontinued with jahrg. 14, no. 12, Dec. 1938.
- Geneva research centre. Information bulletin. Geneva research centre, 14, Avenue de France, Geneva, Switzerland. irreg. 4° vol. 1, no. 1, Oct. 12, 1938. Free. Continues its Geneva news letter.
- Il Giornale di risicoltura; organo mensile della Stazione sperimentale di risicoltura e delle coltivazioni irrigue, Vercelli. Changed to Risicoltura; organo mensile della Stazione... with anno 29, no. 1, Jan. 1939.
- International bibliography of agricultural economics. Library, International institute of agriculture, Rome. quar. 8° vol. 1, no. 1, Oct. 1938. 30 lire or 6s.6d.; or \$1.60 or Dutch florins 2.90 per annum.
- Land- und forstwirtschaftliche mitteilungen. Prag. Ceased since Oct. 1, 1938(?) when Der Deutsche landwirt, to which it is a supplement, ceased.
- Leisure. Boston, Mass. Discontinued with vol. 5, no. 12, Dec. 1938.
- Manabi, Ecuador (Province). Consorcio de centros agricolas. Boletin. Portoviejo, Ecuador. mo. 12° ano 1, no. 1, Oct. 1938. Price not given.
- Market research, a monthly magazine. New York. Discontinued with vol. 9, no. 1, July 1938.
- New England museum of natural history. Bulletin. Boston. Discontinued with no. 88, July 1938. Succeeded by New England naturalist; the magazine of the New England museum of natural history.
- Palestine journal of botany. Jerusalem series. P. O. Box 620, Jerusalem, Palestine. quar. 8° il. vol. 1, no. 1, June 1938. 18 s a year, post free.
- Philippine islands. Dept. of agriculture and commerce. Division of statistics. The Philippine statistical review. Changed to its Bulletin of Philippine statistics with vol. 5, no. 1-2, 1st-2d quarters, 1938.



NOTES ON PERIODICALS  
(continued)

- Record of chemical progress. The Friends of the Hooker scientific library, Central College, Fayette, Mo. quar. 8° il. vol. 1, no. 1, Jan. 1939.  
An. sub. to members, \$1.00; to non-members, \$2.00
- Revista "Menendez Behety". Magallanes (Chile). Ceased with ano 14, num. 168, Dec. 1937.
- Revue de pharmacologie et de thérapeutique expérimentale. Paris. Discontinued with t. 3, no. 1, Oct. 1934.
- Sciences naturelles; bulletin mensuel des naturalistes. Botanique, géologie, zoologie. Librairie des sciences et des arts. 106bis, Rue de Rennes, Paris (VI). mo. 8° il. t. 1, no. 1, Jan. 1939. To subscribers in U. S., 70 fr. a year; 6 months, 40 fr.
- The Trapper & sportsman. Denver, Colo. Discontinued with vol. 1, no. 1, Jan. 1938.
- Veterinary digest. Published in the interests of the graduates and undergraduates of the Ontario veterinary college, Guelph, Canada. Monthly for seven months by the students. 8° vol. 1, no. 1, Jan. 1939. \$1.50 a year.
- The Veterinary student. Veterinary division, Iowa State College, Ames, Iowa. Published once each regular quarter of the school year by students of the Veterinary division. 4° il. vol. 1, no. 1, fall 1938. 75 cents a year.
- Vitamin D digest. Brief reviews of scientific research and other data pertaining to the vitamin D needs of farm animals and dogs. Standard brands incorporated, Dry yeast dept. 595 Madison Ave., New York City. mo. 4° il. vol. 1, no. 1, Jan. 1939. Price not stated. Continues Vitamin D milk.
- Western meat journal. Seattle, Wash. Changed to Western meat dealer with vol. 4, no. 9, Oct. 1938.
- Zeitschrift für gestütkunde und pferdezucht. Hannover. Changed to Deutsches warmblut with jahrg. 34, hft. 1, Jan. 1939.

- o - o - o - o - o - o - o - o -

TRANSLATION SERVICE AT THE NORTH CAROLINA STATE COLLEGE

"An Analysis of the Translation Service at North Carolina State College" is the title of the January 1939 (vol. 38, no.4) issue of the State College Record published by the North Carolina State College of Agriculture. The bulletin is by Professor L. E. Hinkle, Head of the Department of Modern Languages and Director of the Translation Service of the College. The analysis given in the bulletin covers procedure, printing and publication, scope and interest. There are six tables presenting the various aspects of the work of the translation service in summarized form, under the following headings: Projects accepted by the Translation Service; Projects deposited; Classification of projects by subject matter and language; Distribution of articles translated by request; Foreign research centers contacted and contributing to the Translation Service; and Foreign research centers on State College mailing lists. Copies of the bulletin will be sent free upon request as long as the supply lasts.

- o - o - o - o - o - o - o - o -

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939\*

## Alabama

- DEAN, DOROTHY Dress design. (Ala. Poly. Inst. Ext. Clothing Construction and Dress Design, Demon. [unnumb.]) Auburn, 1938.
- DEAN, DOROTHY Tailored finishes. (Ala. Poly. Inst. Ext. Clothing Construction and Dress Design, Demon. [unnumb.]) Auburn, 1938.
- BROWN, L. Help prevent woods fires. (Ala. Poly. Inst. Ext., Auburn, 1938.

## Arizona

- BARR, G. W., and SHINN, L. B. Arizona agricultural situation, 1939. Ariz. Agr. Col. Ext. Tucson, 1939.

## Delaware

- MCCUE, C. A. For better rural life in Delaware, 1937. A report of the work of the University of Delaware, Agricultural Extension service, for the year December 1, 1936 - November 30, 1937. (Del. Univ. Agr. Ext. Bul. 26.) Newark, 1938.
- RICHARDSON, H. L., and BAKER, H. R. Pullorum disease in hens and chicks. (Del Univ. Agr. Ext. Bul. 27.) Newark, 1938.
- MACDONALD, PEARL, and LEUSCHNER, F. H. Eggs: A food "perfectly packaged by nature". (Del. Univ. Agr. Ext. Timely Hints no. 4.) Newark, 1938.
- MACDONALD, PEARL Vegetables. (Del. Univ. Agr. Ext. Timely Hints no. 5.) Newark, 1938.
- MACDONALD, PEARL Fruits. (Del. Univ. Agr. Ext. Timely Hints no. 6.) Newark, 1938.
- AMOS, J. M. The black widow spider. (Del. Univ. Agr. Ext. Timely Hints no. 7.) Newark, 1938.

## Hawaii

- HANSON, K. I., and FRAZIER, T. O. Hawaii truck crop reporting service. (Hawaii Univ. Agr. Ext. Bul. 34.) Honolulu, 1939. |

## Idaho

- KULP, M. R. Conserving irrigation water. (Idaho Univ. Agr. Ext. Circ. 61.) Moscow, 1938.

## Illinois

- FARRAR, M. D. How to stop weevil damage in stored grain. (Ill. Univ. Agr. Expt. Sta. and Ext. Circ. 489.) Urbana, 1939.
- ARMSTRONG, GRACE B., and MCKEE, MARY A. Cookies for all occasions: Selected recipes for members of 4-H foods clubs and reprinted for general distribution. (Ill. Univ. Agr. Ext. H. E. E. [unnumb.]) Urbana, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939  
(continued)

## Iowa

BLISS, R. K. Annual report extension work in agriculture and home economics, state of Iowa, 1937. Iowa State Col. Ext.; Ames, 1938.

## Kentucky

- JOHNSTONE, W. C. Cover crops. (Ky. Agr. Col. Ext. Agron Leaf. Al.) Lexington, 1938.
- SELLARDS, G. Sow-and-litter project for 4-H clubs. (Ky. Agr. Col. Ext. Circ. 84, rev.) Lexington, 1938.
- MILLER, R. C. Stomach worms in sheep. (Ky. Agr. Col. Ext. Circ. 152, rev.) Lexington, 1939.
- SELLARDS, G. The pig from birth to market in six months. (Ky. Agr. Col. Ext. Circ. 211, rev.) Lexington, 1938.
- KINNEY, E. J., and others. The production of white burley tobacco. (Ky. Agr. Col. Ext. Circ. 230, rev.) Lexington, 1939.
- WILFORD, E. J., and SELLARDS, G. Killing, cutting and curing pork. (Ky. Agr. Col. Ext. Circ. 261, rev.) Lexington, 1938.
- IMLAY, F., and HAAK, PEARL J. One-dish meals. (Ky. Agr. Col. Ext. Circ. 320.) Lexington, 1938.
- Supersedes Ext. Circ. 231.
- THRELDKELD, DOROTHY, and LACY, EDITH Food project for 4-H clubs. Unit I-Breakfast. (Ky. Agr. Col. Ext. Circ. 321.) Lexington, 1938.
- THRELDKELD, DOROTHY, and LACY, EDITH Food project for 4-H clubs, unit II-Supper or luncheon. (Ky. Agr. Col. Ext. Circ. 322.) Lexington, 1938.
- THRELDKELD, DOROTHY, and LACY, EDITH Food project for 4-H clubs, unit III-Dinner. (Ky. Agr. Col. Ext. Circ. 323.) Lexington, 1938.
- IMLAY, FLORENCE, and HAAK, PEARL J. Home canning of meats. (Ky. Agr. Col. Ext. Circ. 324.) Lexington, 1938.
- BROOKS, J. B., and YOUNG, E. R. 4-H woodworking project, unit I. (Ky. Agr. Col. Ext. Circ. 325.) Lexington, [1938]
- Minerals for livestock. (Ky. Agr. Col. Ext. Circ. 326.) Lexington, 1938.
- GRIFFIN, R. J. Health program for 4-H club members. (Ky. Agr. Col. Ext. Circ. 327.) Lexington, 1938.
- FUNKHOUSER, W. D. Suggestions for bird study for 4-H clubs. (Ky. Agr. Col. Ext. Circ. 328.) Lexington, 1938.
- Prepared under the direction of H. C. Brown.

## Maine

HALL, H. W. Pigs, their care and management (Prepared for 4-H club members) (Maine Agr. Col. Ext. Circ. 119.) Orono, 1937.

## Michigan

- MAHONEY, C. H., and others. The home vegetable garden. (Mich. State Col. Ext. Bul. 4(rev.)) East Lansing, 1938.
- MCDANIEL, E. I. Controlling shield scales of deciduous trees. (Mich. State Col. Ext. Bul. 194.) East Lansing, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939

## Michigan (continued)

- HUTCHINSON, ALICE, and others. Home economics extension projects, 1938-39. (Mich. State Col. Ext. Circ. [unnumb.]) East Lansing, 1938.
- PEARSON, N., and others. 4-H dairy club work. (Mich. State Col. Ext. Club Bul. 17 (rev.)) East Lansing, 1938.
- GUNN, R. V., ed., Michigan agricultural outlook for 1939. (Mich. State Col. Ext. Agr. Econ. News for Mich. no. 20.) East Lansing, 1939.

## Minnesota

- COOKE, CORA A. B. C. of chicks. (Minn. Univ., Agr. Ext. Spec. Bul. 176 [rev.]) University Farm, St. Paul, 1938.

## Missouri

- MARTIN, T. T., and others. Boys' and girls' 4-H club leader's manual. Mo. Agr. Col. Ext., Columbia, rev. 1938.
- Writing extension news. By newspaper men and agricultural extension workers of Missouri. (Mo. Agr. Col. Ext. Manual 5.) Columbia, 1938.

## Montana

- ISAAC, E. E. Beautifying the farm home. (Mont. State Col. Ext. Bul. 165.) Bozeman, 1938.
- RENNE, R. R., and LORD, H. H. Montana farm price variations: The economic significance of fluctuating farm prices to Montana agricultural stability. (Mont. State Col. Ext. Circ. 93.) Bozeman, 1938.
- RENNE, R. R., and LORD, H. H. Montana farm taxes: The significance of farm taxes to Montana agriculture. (Mont. State Col. Ext. Circ. 93.) Bozeman, 1938.

## New Hampshire

- WADLEIGH, C. B. 4-H projects in agriculture for New Hampshire. (N. H. Univ. [Agr.] Ext. Jr. Circ. 29, 4th rev.) Durham, 1938.
- WADLEIGH, C. B. 4-H club meeting program guide. (N. H. Univ. [Agr.] Ext. Jr. Circ. 47.) Durham, 1938.
- MARSDEN, T. A., jr., and others. Your home grounds month by month. (N. H. Univ. [Agr.] Ext. Bul. 54.) Durham, 1938.
- References, p. 40.

## New Jersey

- PERRY, E. J., and BARTLETT, J. W. Artificial insemination of dairy cows. (N. J. Agr. Col. Ext. Bul. 200.) New Brunswick, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939  
(continued)

New Mexico

- ELSER, GRACE L. Family meals. (N. Mex. Agr. Col. Ext. Circ. 110, rev.) State College, 1938.
- Baking club, first, second and third units. (N. Mex. Agr. Col. Ext. Circ. 114, rev.) State College, 1938.
- MAIER, DEE Handbook of clothing construction. (N. Mex. Agr. Col. Ext. Circ. 137, rev.) State College, 1938.

New York

- CROSBY, C. R., and others. Protecting orchard crops from diseases and insects in western New York. (N. Y. Agr. Col. (Cornell) Ext. Bul. 313, rev.) Ithaca, 1939.
- CROSBY, C. R., and others. Protecting orchard crops from diseases and insects in the Hudson valley. (N. Y. Agr. Col. (Cornell) Ext. Bul. 314, rev.) Ithaca, 1939.
- WILLMAN, J. P. Sheep production. (N. Y. Agr. Col. (Cornell) Ext. Bul. 399.) Ithaca, 1939.
- WORK, P., and GRIFFITHS, A. E. Varieties of vegetables for 1939. (N. Y. Agr. Col. (Cornell) Ext. Bul. 402.) Ithaca, 1939.

North Carolina

- SCHMIDT, R., and WEAVER, J. G. Dahlias for the garden. (N. C. Agr. Col. Ext. Circ. 230.) State College Station, Raleigh, 1938.
- Growing early vegetable plants. (N. C. Agr. Col. Ext. Circ. 231.) State College Station, Raleigh, 1938.
- Contents: H.R. Niswonger. Best methods of growing early vegetable plants.- L. Shaw. Disease control.- J.O. Rowell. Insect control.
- SHAW, L. Control of fusarium wilt of cotton. (N. C. Agr. Col. Ext. Circ. 233.) State College Station, Raleigh, 1939.
- Approved practices for the production of cotton. (N. C. Agr. Col. Ext. Circ. 234.) State College Station, Raleigh, 1939.
- Prepared by a committee representing the North Carolina Agricultural Experiment station, the North Carolina Extension service, and the North Carolina Department of agriculture.

North Dakota

- SOMMERFELD, EDNA Sewing handbook for 4-H club girls. (N. Dak. Agr. Col. Ext. Circ. 104, rev.) State College Station, Fargo, 1938.
- MOORE, F. E. Culling and breeder selection. (N. Dak. Agr. Col. Ext. Circ. 111, rev.) State College Station, Fargo, 1938.
- ARVOLD, A. G. The little country theater program service. Neighborhood clubs. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939

North Dakota (continued)

- ARVOLD, A. G. The little country theater program service. The neighborhood. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.
- ARVOLD, A. G. The little country theater program service. The play's the thing. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.
- BREKKE, JULIA E. Rayon and silk. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.
- References, p. 21-22.
- SHEPARD, RUTH The 4-H boy, courtesy, grooming. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.

Ohio

- POWELL, MAUDE, and LYMAN, J. F. Vitamins prevent disease, increase vitality, build strong bodies, protect against infection. (Ohio Agr. Col. Ext. Bul. 54, rev.) Columbus, 1938.
- SPARKS, EMMA E. Jellies, jams, conserves and marmalades. Revised by Nutrition specialists of the Agricultural extension service, the Ohio State university. (Ohio Agr. Col. Ext. Bul. 105, rev.) Columbus, 1938.

Oregon

- GABRIELSON, I. N. Controlling rodents and other small animal pests in Oregon. (Oreg. State Col. Ext. Bul. 512.) Corvallis, 1938.
- Supersedes Ext. Bul. 441.
- BALLARD, F. L. Cooperating for Oregon rural betterment; Biennial report Federal Cooperative extension service, 1936-1938. (Oreg. State Col. Ext. Bul. 514.) Corvallis, 1938.
- JENKINS, L., and JACKMAN, E. R. Plantains: Buckhorn plantain and ripple-seed plantain. (Oreg. State Col. Ext. Bul. 515.) Corvallis, 1938.
- JENKINS, L., and JACKMAN, E. R. Leafy spurge. (Oreg. State Col. Ext. Bul. 516.) Corvallis, 1938.
- JENKINS, L., and JACKMAN, E. R. Russian knapweed. (Oreg. State Col. Ext. Bul. 517.) Corvallis, 1938.
- JENKINS, L., and JACKMAN, E. R. St. John'swort. (Oreg. State Col. Ext. Bul. 518.) Corvallis, 1938.
- JENKINS, L., and JACKMAN, E. R. Canada thistle. (Oreg. State Col. Ext. Bul. 519.) Corvallis, 1938.
- Jenkins, L., and Jackman, E. R. Morning-glory. (Oreg. State Col. Ext. Bul. 520.) Corvallis, 1938.
- JENKINS, L., and JACKMAN, E. R. Quackgrass. (Oreg. State Col. Ext. Bul. 521.) Corvallis, 1938.
- JENKINS, L. and JACKMAN, E. R. White top. (Oreg. State Col. Ext. Bul. 522.) Corvallis, 1938.
- MOTE, D. C., and THOMPSON, B. G. Vegetable-garden insect-pest control. (Oreg. State Col. Ext. Bul. 523.) Corvallis, 1938.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939(continued)

## Pennsylvania

- MORTON, EDITH, and COIT, BLANCHE 4-H room improvement. (Penn. State Col. Ext. Circ. 202.) State College, 1938.
- MORTON, EDITH, and COIT, BLANCHE The sleeping group in 4-H room improvement. (Penn. State Col. Ext. Circ. 203.) State College, 1938.
- MORTON, EDITH, and COIT, BLANCHE The dressing group in 4-H room improvement. (Penn. State Col. Ext. Circ. 204.) State College, 1938.
- MORTON, EDITH, and COIT, BLANCHE The closet group in 4-H room improvement. (Penn. State Col. Ext. Circ. 205.) State College, 1938.
- MORTON, EDITH, and COIT, BLANCHE Reading, sewing or study group in 4-H room improvement. (Penn. State Col. Ext. Circ. 206.) State College, 1938.
- NISSLEY, W. B. Cabbage, cauliflower, sprouting broccoli and Brussels sprouts. (Penn. State Col. Ext. Leaflet 29, rev.) State College, 1938.
- NISSLEY, W. B. Cucumbers, melons, pumpkins and squashes. (Penn. State Col. Ext. Leaflet 30, rev.) State College, 1938.
- NISSLEY, W. B. Asparagus and rhubarb. (Penn. State Col. Ext. Leaflet 32; rev.) State College, 1938.
- NISSLEY, W. B. Celery, lettuce and spinach. (Penn. State Col. Ext. Leaflet 33, rev.) State College, 1938.
- NISSLEY, W. B. Construction of small greenhouses. (Penn. State Col. Ext. Leaflet 35, rev.) State College, 1938.
- NISSLEY, W. B. Growing early vegetable plants under glass. (Penn. State Col. Ext. Leaflet 38, rev.) State College, 1938.
- Beef cattle judging. (Penn. State Col. Ext. Spec. Leaflet [unnumb.]) State College, 1938.
- Corn judging. (Penn. State Col. Ext. Spec. Leaflet [unnumb.]) State College, 1938.
- Horse judging. (Penn. State Col. Ext. Spec. Leaflet [unnumb.]) State College, 1938.
- Potato judging. (Penn. State Col. Ext. Spec. Leaflet [unnumb.]) State College, 1938.
- Poultry judging. (Penn. State Col. Ext. Spec. Leaflet [unnumb.]) State College, 1938.
- Sheep judging. (Penn. State Col. Ext. Spec. Leaflet [unnumb.]) State College, 1938.

## Rhode Island

- JOHNSON, M. V. Rhode Island 4-H foods clubs, member's booklet. (R. I. State Col. Ext. Bul. 76.) Kingston, 1938.

## South Carolina

- GOODING, P. H. Brooding chicks. (Clemson Agr. Col. (S. C.) Ext. Circ. 130, rev.) Clemson, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939  
(continued)

## South Dakota

How the 1938 agricultural conservation program applies to South Dakota farms. (S. Dak. State Col. Ext. Circ. 375.) Brookings, 1938.

## Tennessee

HENDRICKS, H. E. Lime, phosphate and legumes in an agricultural conservation program. (Tenn. Agr. Col. Ext. Pub. 208, rev.) Knoxville, 1938.

## Texas

BEYAN, L. G. The story of the demonstration work in Texas: A sketch of the Extension service of the Texas A. and M. college. (Tex. Agr. Col. Ext. [Bul.] B-93, rev.) College Station, 1938.

Food preservation budget. (Tex. Agr. Col. Ext. [Circ.] C-108, rev.) College Station, 1938.

NEELY, G. I., and others. Starring winter greens. Boil them! Butter them! or eat them raw .... (Tex. Agr. Col. Ext. [Circ.] C-128.) College Station, 1938.

ELLIOT, N. E. Starring citrus gold; wishful thinking. (Tex. Agr. Col. Ext. [Circ.] C-132.) College Station, 1939.

## Vermont

Extension service publications available, numerical list. (Vt. Agr. Col. Ext. Brief. 223 A.) Burlington, 1939.

Extension service publications available, classified list. (Vt. Agr. Col. Ext. Brieflet 223 B.) Burlington, 1939.

Mimeographed.

TARRANT, LYDIA Intelligent food buyers. (Vt. Agr. Col. Ext. Brieflet 508.) Burlington, 1938.

Mimeographed.

TARRANT, LYDIA Suggestions for buying and using cereal products. (Vt. Agr. Col. Ext. Brieflet 509.) Burlington, 1938.

Mimeographed.

SOMMERFELD, E. E. Milady's basic dress. (Vt. Agr. Col. Ext. Brieflet 510.) Burlington, 1938.

TARRANT, LYDIA Planning the vegetable garden. (Vt. Agr. Col. Ext. Brieflet 515.) Burlington, 1939.

Mimeographed.

MCWILLIAMS, R. C. One method of raising good calves. (Vt. Agr. Col. Ext. Brieflet 516.) Burlington, 1939.

Mimeographed.

SOMMERFELD, EDNA Clothes for the high school girl. (Vt. Agr. Col. Ext. Brieflet 517.) Burlington, 1939.

Mimeographed.

The 1939 agricultural outlook for Vermont. (Vt. Agr. Col. Ext. Vermont Farm Business v. 5, no.6.) Burlington, 1938.

-----  
LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING FEBRUARY 1939  
(Continued)

Virginia

- CAMERON, J. L. Canning for the home: Plan, plant, preserve, prosper.  
(Va. Agr. Col. Ext. Bul. 128, rev.) Blacksburg, 1938.  
Information for Virginia fruit growers, 1939. Prepared by Departments of  
Horticulture, Plant pathology and Entomology. (Va. Agr. Col. Ext. Bul.  
131, rev.) Blacksburg, 1939.  
The agricultural outlook for 1939. (Va. Agr. Col. Ext. Div. News v. 21,  
no. 4, p. 1-5.) Blacksburg, 1939.

Washington

- Score cards for fairs. Prepared by Specialists of Extension service.  
(Wash. State Col. Ext. Bul. 137, rev.) Pullman, 1938.  
RUSSELL, R. Drying fruits and vegetables in the home. (Wash. State Col.  
Ext. Bul. 188, rev.) Pullman, 1938.  
RUSSELL, R. Use and care of the pressure cooker. (Wash. State Col. Ext.  
Circ. 21, rev.) Pullman, 1938.  
Sunporches for poultry. Prepared by Poultry Council, State College of  
Washington. (Wash. State Col. Ext. Poultry Pointers 15, rev.) Pullman,  
1938.  
Summer force moulting of hens for commercial egg production. Prepared by  
Poultry Council of the State College of Washington. (Wash. State Col.  
Ext. Poultry Pointers 21, rev.) Pullman, 1938.

West Virginia

- HUMPHREY, G. Wise spending of incomes. (W. Va. Agr. Col. Ext. Good  
Living Ser. v. VII, Lesson no. 3, Adventures in Community Living.)  
Morgantown, [1939]

Wyoming

- JENNINGS, E., and OLLER, G. Wyoming 4-H club health record and guide.  
(Wyo. Agr. Col. Ext. Circ. 53, rev.) Laramie, 1938.  
MARSTON, B. W., comp. Recreation circular for rural leaders. Part I.  
Social mixers, quiet games, home fun with suggestions on recreation  
leadership. (Wyo. Agr. Col. Ext. Circ. 47 (rev.)) Laramie, 1938.  
MARSTON, B. W., comp. Recreation circular for rural leaders. Part II.  
Active games, team contests, outdoor fun. (Wyo. Agr. Col. Ext. Circ.  
66.) Laramie, 1938.



TRANSLATIONS RECEIVED IN THE LIBRARYFrom Office of Information

ALFANI, A. Il. Dipartimento di Agricoltura degli Stati Uniti d'America  
(The Department of Agriculture of the United States of America).  
Nuovi Ann. Agr. 18: 129-154. 1938. Translated by Carolyn Whitlock.

From North Carolina State College

DANNECKER, DR. Ueber die leistungskontrolle zur leistungswirtschaft  
(Production control in forests managed for timber production). Deut.  
Forstw. 1929(81-83), July 30, Aug. 2, 6, 1929. Translated by G. Radke.  
RINNE, L. Samenmischungen für kulturwiesen auf niederungsmoor (Seeds  
mixtures for cultivated meadows on low moor). Fourth Internat. Grass-  
land Cong. Report 1937: 209-215. Translated by R. L. Lovvorn.  
SETINSKI, V. Meine dräng Grundlagen und das gesetz von Darcy (My drainage  
principles and the law of Darcy). Bodenk. Forsch. 4:269-315. 1935.  
Translated by Ross Leamer.

From Ohio Agricultural Experiment Station

BALKS, R. and WEHRMANN, O. (reporters). Vergleichende löslichkeitstudien  
an kohlen-sauren kalken (Comparative studies on the solubility of carbonate  
liming materials). Bodenk. Pflanz. 9/10: 313-321. 1938. Translated by  
C. J. Schollenberger.  
BERKNER, F. Rohbraunkohle als düngsmittel (Raw brown coal as a fertilizer).  
Zeitschr. Pflanzenernähr. Bodenk. 44: 346-348. 1936. Translated by  
E. E. Barnes.  
BRUYNOGHE, R. Au sujet de la guérison des germes devenus résistants au  
principe bacteriophage (On the subject of curing (freeing) germs which  
have become resistant to the bacteriophage principle). Compt. Rend. Soc.  
Biol. 85: 20-22. 1921. Translated by R. C. Thomas.  
HAGER and STOLLENWERK. In welchem masse können die Ammoniaksalze den boden  
durch die bevorzugte aufnahme des ammoniumkations im vergleich zum anion  
versauren? Ein beitrag zur erkenntnis der nährstoffaufnahme durch  
die pflanzen (In what degree can ammonium salts acidify the soil through  
the preferential absorption of ammonium cations in comparison to anions?  
A contribution to the knowledge of food material absorption through  
the plant). Zeitschr. Pflanz. Düng. Bodenk. 17 (3/4): 129-165. 1930.  
Translated by E. E. Barnes.  
KAPPEN, H., BELING, B. E., and VON STRUNCK, G. Zur frage der düngerwirkung  
des braunkohle (On the question of the fertilizer action of lignite).  
Zeitschr. Pflanz. Düng. Bodenk. 40: 215-228. 1935. Translated by  
E. E. Barnes.  
TSCHUMI, L. and STALÉ, J. Appréciation de la valeur des calcaires utilisées  
comme amendement (Determination of the value of limestone used as an  
amendment). Landw. Jahrb. Schweiz. 49: 725-734. 1935. Translated by  
C. J. Schollenberger.

SELECTED LIST OF MICROGRAPHED PUBLICATIONS

of the U. S. Department of Agriculture  
received during February 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

## Agricultural Adjustment Administration

Marketing data for peaches produced in certain eastern states. Annual production, weekly carlot shipments, weekly carlot unloads at New York City, and weekly L.C.L. prices of Elberta peaches. 1936, 1937, and 1938 seasons. Feb. 1939. 10 p. Issued by Economic analysis unit. General crops section. 1.94 Sp3Md

Proclamations and determinations relating to corn allotments; regulations governing the determination of 1939 farm corn acreage allotments under Title III of the Agricultural adjustment act of 1938, as amended. Signed by Secretary of agriculture. Issued Jan. 20, 1939. 5 p. 1.42 C81P

## Bureau of Agricultural Economics

Dairy products manufactured in factories. 1937. United States and state data, by months. Issued Feb. 1939. 51 p. 1.9 Ec724Dpm

Driven-in receipts of livestock. 1938. Compiled under direction of E. M. Jordan. Jan. 1939. 34 p. 1.9 Ec713Dr

Estimated acreage, yield, and production [of cotton for years 1928-1937, by various states. 1939] Arizona cotton, 4 p.; Arkansas cotton, 11 p.; California cotton, 4 p.; Florida cotton, 6 p.; Georgia cotton, 18 p.; Louisiana cotton, 12p.; Mississippi cotton, 11 p.; New Mexico cotton, 4 p.; Oklahoma cotton, 11 p.; Tennessee cotton, 9 p. 1.9 Ec71Eac

Farm-mortgage recordings [by states]. Alabama, Feb. 1939. 9 p.; Idaho, Feb. 1939, 10 p.; Wyoming, Feb. 1939, 10 p. 1.9 Ec78Fmr

Income parity for agriculture. Part I. Farm income. Section 5. Income from wheat. Calendar years 1910-37. (Preliminary). Jan. 1939. 92 p. 1.9 Ec71np

Land use problems and policies in the cut-over regions of Minnesota with special reference to eastern Pine county. By R. M. Gilcreast, and W. F. Musbach. St. Paul, Jan. 1939. 35 p. 1.9 Ec76Lpr

Land use problems in Minnesota. By R. M. Gilcreast, Land use planning specialist for Minnesota. (Region III) 1938. 6 p. (Address at Annual meeting of American farm economic association, Detroit, Mich. Dec. 29, 1938.) 1.9 Ec76Lm

---

\* Bibliographies included in general list of bibliographies on page 131

\*\*For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

## Bureau of Agricultural Economics (continued)

- Land use problems in Wisconsin. By S. Henderson, Land use planning specialist for Wisconsin (Region III). 1938. 6 p. (Address at Annual meeting of the American farm economic association, Detroit, Mich., Dec. 29, 1938.) 1.9 Ec76Luw
- Livestock prices average 12 percent lower in 1938. [Accompanied by] Average prices received by farmers for livestock and livestock products United States, 1937 and 1938. Issued Feb. 21, 1939. 7 p. 1.9 Ec71Av1
- Price spreads between the farmer and the consumer. Statistical supplement bringing up to date the tables contained in the mimeographed report of July 1936. By R. O. Been and F. V. Waugh. Issued Feb. 1939. 31 p. 1.9 Ec754P
- State and federal legislation and decisions relating to oleomargarine; brief summary. Prepared by Anne Dewees, under the direction of O. C. Stine. Rev. Jan. 1939. 33 p. 1.9 Ec752Stf
- Tax collection procedure: land use implications and administrative problems. By H. K. Allen formerly with Land utilization division, Farm security administration, Region III. Feb. 1939. 46 p. 1.9 Ec76Tax
- Voluntary transfers of farm real estate- number of properties and acreage purchased by individuals from designated types of sellers by years. State summaries of data from selected counties. Jan. 1939. 28 p. 1.9 Ec78Vo
- Bureau of Animal Industry
- Developing a small-type turkey at the National agricultural research center, Beltsville, Md. Issued Feb. 1939. 1 p. (A.H.D. no. 31) 1.9 An52 Ah
- The laboratory diagnosis of infectious equine encephalomyelitis. Jan. 1939. 5 p. Issued by Pathological division. 1.9 An56L
- Bureau of Biological Survey
- Crow damage to fall grain crops in Oklahoma in 1937, with a comparison of field and questionnaire methods of appraisal. By R. H. Imler and E. R. Kalmbach. 1939. 15 p. (Wildlife Research and management leaflet BS-123) Issued by the Section of food Habits, Division of wildlife research. 1.9 B524W
- Factors in nesting losses of the California valley quail. By E. E. Horn. 1939. 7 p. (Wildlife research and management leaflet BS-124) Issued by the Section of wildlife surveys, Division of wildlife research. 1.9 R524W



SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

## Bureau of Biological Survey (continued)

- History and significance of American wildlife, II; Trends from exploitation to restoration. By H. P. Sheldon. 1939. 7 p. (Wildlife research and management leaflet BS-126) Issued by the division of public relations. 1.9 B524W
- Natural plantings for attracting waterfowl to marsh and other water areas. 1939. 5 p. (Wildlife research and management leaflet BS-125) 1.9 B524W

## Bureau of Dairy Industry

- What dairying can contribute to the social and economic life of the south. Remarks by O.E. Reed at the 40th Annual convention of the Association of southern agricultural workers, New Orleans, La., Feb. 1, 1939. 10 p. 1.9 D14A

## Farm Security Administration

- Influence of drought and depression on a rural community; a case study in Haskell county, Kansas. By A. D. Edwards. Jan. 1939. 116 p. (Social research report no. 7) In cooperation with the Bureau of Agricultural Economics. 1.95 Sol
- Social relationships and institutions in an established rural community, South Holland, Illinois. By L. S. Dodson. Feb. 1939. 56 p. (Social research report no. 16) In cooperation with the Bureau of agricultural economics. 1.95 Sol

## Forest Service

- American woods. Balsam poplar (*Populus balsamifera*) by H. S. Petts. Dec. 1938. 4 p. 1.9 F76Am
- Facts from fire reports about the starting and stopping of fires. By W. G. Morris. Portland, Dec. 1938. 7 p. Issued by Forest experiment station, Pacific northwest, Portland, Oregon. 1.9 F7629Ff
- Report of the Allegheny forest experiment station calendar year 1937 and proposed program 1938. 18 p. Issued by Forest experiment station, Allegheny, Philadelphia, Pa. 1.9 F76222

## Bureau of Plant Industry

- Foreign wheat introductions, III. Feb. 15, 1939. 15 p. Issued by the Division of cereal crops and diseases. 1.9 P6917F
- Minimizing losses by sap stain and decay in wind-thrown timber. By F. Spaulding and T. C. Scheffer. 5 p. Issued by Division of Forest Pathology, Feb. 1, 1939. 1.9 P693Mi

-----  
SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Plant Industry (continued)

- Quality studies of wheat varieties grown in the western region in 1927.  
By C. C. Fifield and others. Feb. 1939. Bureau of plant industry  
and Bureau of agricultural economics cooperating. 1.9 P6917Qu
- Recommendations for the control of scab and foliage diseases of pecans in  
the southeast. By J. R. Cole and J. R. Large. 1938. 5 p. 1.9 P772  
Rec
- Report of the Great plains uniform winter-hardiness nurseries of 1937/38.  
By K. S. Quisenberry. 1939. 4 p. 1.9 P6917Reg
- Rose propagation by cuttings, by G. E. Yorkes. 4 p. Issued by Division of  
fruit and vegetable crops and diseases, Jan. 1939. 1.9 P772Rop
- Summary of the Great Plains uniform winter wheat bunt nursery. 1937/38.  
By H. A. Rodenhiser and K. S. Quisenberry. [5 p.] Jan. 1939. 1.9 P6917S
- Summary of uniform spring-wheat bunt nursery, by H. A. Rodenhiser and J. A.  
Clark. 1938 [3] p. 1.9 P6917Sum
- The technique of purity analyses. By E. F. Sirrine. June 1938. 4 p.  
Issued by Division of seed investigations. 1.9 P69122T
- North Appalachian experimental watershed ground water graphs 1936/37. Pre-  
pared by W. D. Potter and M. V. Baker. Section of watershed and hydro-  
logic studies. Jan. 1939. 2 p. (SCS-TT-21) 1.96 R3IN

- o - o - o - o - o - o - o -

LOST BOOKS

The books mentioned below are missing from the Library. Will any one who  
knows where they are please notify the Loan Desk, Main Library, Extension 627

American kennel gazette, vol.51, Jan.-June 1934

Forster, Georg. Florulae insularum Australium prodromus. 1786.

Pavlov, I. P. Arbeit der Verdauungsdrusen. 1898.

- o - o - o - o - o - o - o -

---

THE EVALUATION OF TECHNICAL PERIODICALS

The following interesting article on the evaluation of technical articles is reprinted from the British journal Engineering, vol. 146, no. 3805, December 16, 1938, pages 707-708.

Consciously or unconsciously, the director of an abstracting service has to exercise some method of selection in determining what periodicals shall be utilised in making the abstracts, and the problem of this selection is a difficult one. If the abstracts are concerned with some specific field such as, for instance, water pollution, there are certain journals and periodicals which anyone familiar with the subject will at once suggest as suitable media, but outside these there is an enormous mass of publications which will contain matter coming within the sphere of the service. There are probably even many journals which are directly or mainly concerned with the subject, but of which even the expert may not have knowledge, possibly because they are published in languages with which he is not familiar.

The same problem of selection faces the head of a research organisation, who has to determine what periodicals shall be examined by the information department, which is usually maintained for the purpose of keeping the research workers in touch with developments in the field with which they are concerned. Again, no matter of what type his library may be, every librarian has to exercise selection in determining what periodicals he shall purchase, or otherwise endeavour to obtain. The problem presented to the head of a special library is essentially the same as that facing a research director, but in the case of a general library the difficulties are in a sense accentuated. Such a library can usually carry comparatively few technical periodicals covering a specific field, so that choice is more restricted than in the case of a special library which can afford to be more generous in its range. In the case of provincial town libraries, it is not unusual for an attempt to be made to assemble a specialised, but limited, set of journals which bear particularly on the chief local industry. In such cases judicious selection is of considerable importance.

At first sight it might appear that the problem with which the general librarian has to deal is simpler than that facing the special librarian or the research director; but this is not necessarily the case. In, for instance, the engineering sphere, there are certain obvious journals which would be selected by any librarian desirous of covering the subject. For the smaller type of general library they would, in general, suffice. The director of a library of an important town, or of a university, might, however, well desire to extend his holdings by making a selection from among the large mass of less obvious journals. He will, as a rule, have no special knowledge of the subject concerned and



-----  
THE EVALUATION OF TECHNICAL PERIODICALS  
(continued)

his problem is to find some system of guidance among a mass of unco-ordinated names. One possible procedure is to find out what journals are carried by other, similar, libraries, while further guidance is furnished by readers who may ask that this or that periodical shall be added to the library list. A librarian wishing to utilise the first procedure would have no difficulty in obtaining information from other librarians, while he will obtain assistance from the "World List of Scientific Periodicals", which gives the holdings of many representative libraries in Great Britain. Information supplied by readers' requests may be useful, but the individual reader is not necessarily an expert and the fact that a journal is asked for is not always evidence of its value.

It is clear that if libraries are to determine their holding of periodicals by finding out what periodicals other libraries contain, then the whole system is working in a circle, and that little opportunity will be offered for new or obscure, but valuable, publications to find a place on library shelves; clearly some more independent method of selection is desirable. Any method must ultimately depend on expert opinion. When we said above that, in the engineering sphere, certain obvious journals would be selected for any library wishing to cover the subject, we were, in effect, relegating the choice to the expert. The journals might not be in any way obvious to a librarian who, per se, is expert only in librarianship and certainly cannot be familiar with every subject dealt with in the publications which it is his duty to collect and make available. Expert opinion, however, has its limitations, as we suggested in our first paragraph, and any system which could reinforce its weaknesses would be of value.

It is probable that for general library purposes the opinion of someone with knowledge of the special subject concerned is all that is necessary, but for special libraries and research organisations a system more independent of the individual is likely to be of value. Such a system was described by Mr. E. Lancaster-Jones in a paper bearing the title "Evaluation of Scientific and Technical Periodicals," which he read before a joint meeting of the Association of Special Libraries and Information Bureaux and the International Federation for Documentation at Lady Margaret Hall, Oxford, on September 25, and already briefly referred to in our issue of September 30. The system described, which is known as "reference counting," has been used in a number of cases by American library investigators. It consists in the selection, by experts, of a basic list of periodicals which are known to be of value and in extensive use in the sphere of the subject concerned. Every issue of these journals is then examined over a period of, say, a year, and every reference made in footnotes or elsewhere to relevant articles is noted, together with the name of the periodicals in which the articles appear. In this way a list is obtained of the journals most frequently referred to and, it may reasonably be

THE EVALUATION OF TECHNICAL PERIODICALS

(continued)

assumed, found most useful by workers in the field concerned. As Mr. Lancaster-Jones points out this procedure is necessarily weighted by the initial selection of basic periodicals, but beyond that stage it has the advantage of being independent of personal opinion. It would appear that, were any library prepared to undertake the labour involved, the personal equation might be almost eliminated by successive revisions of the basic list in terms of the results of the reference counting.

Mr. Lancaster-Jones, in his paper, reviewed many aspects of the evaluation of periodicals, in addition to those on which we have touched. One of these concerns the question of language. If an attempt is made to compile a select list of periodicals on the basis of library holdings, it will be found that, in the field of foreign publications, American journals will tend to hold a prominent place in British libraries, purely in virtue of the language in which they are written and that, following these, French and German periodicals will show a lead over those in other foreign languages. From the point of view of the general library, this language bias may possibly be ignored since, to a large proportion of its clients, publications in foreign languages, particularly languages other than French or German, are of little value. In a special library, research organisation or abstracting service it is very undesirable, however, that the value of an article should be in any way judged by the language in which it is written and the necessarily biased holding of a general library, even a library of standing, cannot be taken as a guide to the more useful journals in any technical sphere.

An apparently possible source from which to compile a select list of journals in any specific subject is furnished by the various standard reference guides to periodicals, but in practice they will not be found of much service. The reason for this is that they are necessarily not in themselves selective. Even if the periodicals are classified according to subject no effort will be made to distinguish the highly scientific from the merely popular. The compiler's concern is to list the periodicals, not to describe them. As matters are at present, if a student or research worker wishes to compile a list of the more valuable publications in any field, his best procedure, apart from appeal to expert opinion, would probably be to examine abstract journals and technical indexes to ascertain what journals are most frequently quoted, particularly in reference to the matters in which he is specially interested. No abstract journal, however, deals with every possible periodical bearing on its field and there are gaps in the information even of the expert director of a specialised abstracting or information service.

An interesting investigation illustrating this was given by Mr. Lancaster-Jones. He made a personal examination of current electro-technical periodicals in the Science Library, South Kensington. Those in English were excluded from the survey, but 68 in foreign languages



THE EVALUATION OF TECHNICAL PERIODICALS  
(continued)

were judged to be first class. Of these 68 periodicals only 40 were found to be dealt with in any of the three principal abstracting services in the English language--Science Abstracts B, The Metropolitan-Vickers Technical News Bulletin, and The Engineering Index. It was found, however, that 49 of the 68 were indexed by the new German "Elektrotechnische Berichte" and that these included 15 of 28 not dealt with by the three services in the English language. The 1934 edition of the "World List of Scientific Periodicals" gave only 16 of these 28 publications, and gave no holding for 3 of the 16. Some of these periodicals were relatively new, but many dated back more than 10 years.

The result of this investigation makes it fairly clear that no existing abstracting service surveys the whole relevant field. That, indeed, is probably an impossible ideal, but, none the less, the services might be improved were critical select lists of the current journals in the various specific scientific spheres available. Mr. Lancaster-Jones expressed the opinion that by co-ordinating data obtained from a consideration of library holdings, the field of abstracting services etc., it would be possible to construct a critical index to all current scientific and technical journals. The task would be of some magnitude, but would not be impossible even for a single organisation. Given continuous revision, such an index would form a basic list from which specialised lists suited to individual needs could be drawn up.

- o - o - o - o - o -

THE CANADIAN ENTOMOLOGIST - COMMEMORATIVE NUMBER

The Canadian Entomologist for January 1939 (vol. LXXI, no. 1) commemorates the seventy-fifth anniversary of the founding of the Entomological Society of Ontario. It is devoted to various topics of historical and biographical interest, including among the articles a short history of the Society by A. W. Baker of the Ontario Agricultural College, Guelph. In this sketch it is stated that at the annual meeting on July 17, 1868, "a resolution was recorded in the minutes establishing the publication by the society of a periodical to be known as the 'Canadian Entomologist', which was to be issued gratuitously to members and sold on subscription to others. Thus was established the oldest entomological journal on the continent, which has been published regularly as a monthly journal since that date."

- o - o - o - o - o -



INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANSCommunication VIII

By Sigmund von Frauendorfer, Secretary-Treasurer

In the spring of 1939 the members of the International Committee of Agricultural Librarians will be asked to collaborate in the preparation of a world catalog of agricultural periodicals which will be based on the rich collections in the possession of the Library of the International Institute of Agriculture. A list of agricultural periodicals currently received in this Library will be sent to the Committee's members. They will be asked to examine this list and make known, in so far as their own countries are concerned, the need, if any, of filling gaps or of making other revisions, in order to obtain a representative list of the agricultural periodicals in each country.

This international catalog of agricultural periodicals will be published by the International Institute of Agriculture in 1940. In this connection it may be of some interest to know that the Institute's Library receives annually 3,033 periodicals and 373 numbered bulletins, exclusive of the yearbooks and annuals which are not considered periodicals. Of course the figures given above include periodicals of all countries and in all languages.

Miss A. L. Shaw, Librarian of the Department of Agriculture at Ottawa, Canada, has kindly prepared a mimeographed communication giving a summary of our Committee's scope and activities and the conclusions of the paper read by the Secretary at the XIVth World Congress for Documentation at Oxford. This communication has been sent to those particularly interested in the subject in Canada. We wish to express our gratitude to Miss Shaw for this expression of her interest in our work.

The journal "Chronica Botanica, International Plant Science News Magazine", published in its December 1938 number a detailed description of the Committee's scope, activities and members. We appreciate highly this courtesy as well as the interest previously shown by this journal and by our colleagues in the botanical field in our organization and work.

An article on the Committee and its activities, written by the Secretary, was published in the "Diplomlandwirt" (Nr. 1/1939). This periodical, the official organ of the Association of German Technical Agriculturists (Reichsbund Deutscher Diplomlandwirte), will in future publish the text of our communications in the German language.

The annual report of our Committee was published recently, as heretofore, in the Proceedings of the International Library Committee (Actes du Comité International des Bibliothèques), Vol. X, p. 178-182. (Bruxelles, Nijhoff, 1938).

The members of our Committee will be pleased to learn that Dr. T. F. Sevensma, Secretary General of the International Federation of Library Associations, and until recently Librarian of the League of Nations, has been appointed Librarian of the University of Leyden, Netherlands. Accordingly, the headquarters of the Federation, with which our Committee is affiliated, as well as with the "F.I.T.A.", have been transferred to the University Library of Leyden.

-----  
INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS  
(continued)

The International Federation of Library Associations recently published a list of member associations which includes a list of libraries that have joined the organization of interlibrary loans. Since this list includes very few agricultural libraries, the members of our Committee are asked once more to consider the possibility of joining the international organization of interlibrary loans, which certainly offers a great advantage to all libraries.

The Federation will be glad to furnish any further information about the international library loan organization and will send application forms to all interested librarians.

Since our last communication we have the pleasure to announce the appointment of a Swiss representative on our Committee, Miss Margrit Fröhlich, Librarian of the Union Suisse des Paysans at Brougg, Switzerland.

- o - o - o - o - o -

IMPERIAL BUREAU OF DAIRY INDUSTRY

Science for March 24, 1939 (new series, vol. 89, no. 2308) states that a new Imperial Bureau of Dairy Science has been established at Shinfield, near Reading, England. It is located in the National Institute for Research in Dairying and Prof. H. D. Kay, Director of the Institute, has been appointed Director of the Bureau. The Bureau is financed cooperatively by the governments of the British Empire in the same way as the other Imperial Agricultural Bureaux. The functions of the Bureau are to index research work in dairy science, whether carried out in the Empire or elsewhere; to collect, abstract and collate information bearing on dairy science and to distribute such information both by publication and by private communication to research workers, officials and advisory officers throughout the Empire. In addition, the Bureau is charged with the duty of establishing and maintaining contact between research workers with common interests, promoting conferences of workers and visits to research centers, and in general encouraging the circulation of information ideas, material and personnel."

- o - o - o - o - o -





6112a  
p. 4

# AGRICULTURAL LIBRARY NOTES

## CONTENTS

*Miss Brown*

Vol. 14

April 1939

No. 4

Principal Library Accessions .....	177
Bibliographies and Lists.....	195
Translations received in the Library.....	196
Publications by U. S. Department of Agriculture Workers appearing outside the Department .....	197
Articles by State Agricultural Experiment Station Workers.....	207
List of State Extension Publications .....	221
Notes on Periodicals.....	226
Selected List of Processed Publications of the U. S. Department of Agriculture.....	227
Lost Books.....	231
Congresses.....	231
A Great Horticultural Library.....	232
Proposed Reorganization of Agricultural Libraries Section, American Library Association.....	235

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.



# AGRICULTURAL LIBRARY NOTES

Vol. 14

April 1939

no.4

## PRINCIPAL LIBRARY ACCESSIONS\*

### Agriculture

- FORSCHUNGSDIENST. Forschung für volk und nahrungsfreiheit; arbeitsbericht 1934 bis 1937. Berlin, Neumann, 1938. (Der Forschungsdienst: neue folge der "Deutschen landwirtschaftlichen rundschau". Sonderheft 8) 33.27 F772
- ROBINSON, D. H. The new farming. London, Nelson, 1938. (Discussion books no.28) 30 R56
- SHORT, A. K. Ancient and modern agriculture. Pt. 1. Biblical agricultural practices and their modern application. Pt. 2. Game and other wild animals of biblical times. San Antonio, Naylor, 1938. 30.9 Sh8
- SOUTH AFRICA. DEPT. OF AGRICULTURE AND FORESTRY. Farming opportunities in the Union of South Africa. New ed. Published in collaboration with the South African railways, harbours and airways administration, 1936. Pretoria, Govt. printer, 1936. Prepared by J. C. Neethling. 35.3 So81

### Apiculture

- LANCE, P. C. Queendom of the honey bees. Verses by C. V. Lance. Harrisburg, Stackpole, 1938. 424 L22

### Automobiles

- GENERAL ELECTRIC COMPANY. INCANDESCENT LAMP DEPT. Digest of motor vehicle lighting laws and regulations. Cleveland, 1937. 289.4 G282 1937.
- LEAGUE OF VIRGINIA MUNICIPALITIES, Richmond. Experience of municipalities throughout the country with parking meters. Richmond, 1938. Mimeographed. 289.4 L47
- NATIONAL HIGHWAY USERS CONFERENCE, Washington, D. C. The highway, the motor vehicle and the community. Washington, 1938. Prepared by Harold Gray and M. W. English. 289.4 N2152H
- PALMER, D. H., and CROOKS, L. E. Millions on wheels. New York, Vanguard, 1938. Also a supplement: Ratings on automobiles, tires, gasolines. New York, Vanguard, 1938. 291 P183
- WISCONSIN. DEPT. OF STATE. MOTOR VEHICLE DIVISION. Driver's license regulations. Comp. by T. Dammann. Madison, 1938. 289.4 W752

### Bacteriology

- BELDING, D. L., and MARSTON, A. T., and others. A textbook of medical bacteriology. New York, Appleton-Century, 1938. 448.2 B412

---

\*Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.



PRINCIPAL LIBRARY ACCESSIONS

## Bacteriology (continued)

- BULLOCK, W. The history of bacteriology. London, Oxford university press, 1938. (University of London. Heath Clark lectures, 1938, delivered at the London School of hygiene and tropical medicine) 448.2 B87
- LAIDLAW, Sir P. P. Virus diseases and viruses. The Bode lecture, 1938 Cambridge, Eng., University press, 1938. 448.2 L14
- MUDGE, O. S., and SMITH, F. R. A fundamental approach to bacteriology. San Francisco, State, 1939. 448.2 M892F
- SALLE, A. J. Fundamental principles of bacteriology with laboratory exercises. New York, McGraw-Hill, 1939. 448.2 Sa32
- STEPHENSON, H. Bacterial metabolism. Ed.2 New York, Longmans, Green, 1939. 448.2 St42 Ed.2

## Biography

- CONNECTICUT, STATE COLLEGE, Storrs. Brief statement of training and experience of the college staff including resident instruction, experiment station and extension service. Storrs, 1938. (Bulletin. V.33, suppl. to no. 4) Mimeographed. 119 C76B
- JENSEN, W. F. The onward trail. New York, Urner-Barry [1938?] 120 J45

## Biology

- GATSBY, J. B. Biological laboratory technique. London, Churchill, 1937. 442 G222
- JUST, E. E. The biology of the cell surface. Philadelphia, Blakiston, 1939. 442 J982
- McCLARY, G. F. Population, today's question. London, Allen & Unwin, 1938. 442 M132

## Botany

- ATCHEMY, S. C. Wild flowers of Attica. Oxford, Clarendon, 1938. 459.8 At2
- BRYAN, E. H. The plants of Guam. [Agaña? 1938?] 460.23 B84
- CORNELL, R. D. Conspicuous California plants. Pasadena, San Pasqual press, 1938. 455.82 C81
- MUELSCHER, W.C.L. Poisonous plants of the United States. New York, Macmillan, 1939. (Rural science series, ed. by L.H. Bailey) 452.83 M92
- RIDDLE, G. H. Element assimilation by plant life...New York, 1938. Processed. 463.3 R43 [Note: A non-commercial publication limited to 12 copies]

## Broadcasting

- FEDERAL COUNCIL OF THE CHURCHES OF CHRIST IN AMERICA. DEPT. OF RESEARCH AND EDUCATION. Broadcasting and the public. New York, Abingdon, 1938. 335 F31

PRINCIPAL LIBRARY ACCESSIONS  
(Continued)

Buying

TRILLING, M. B., and others. When you buy. Chicago, Lippincott, 1938. 321 T73W

Chemistry

KARRER, P. Organic chemistry. Tr. from the latest German edition. by A. J. Mee. New York, Nordemann, 1938. 386 K14A  
MARSH, J. T., and WOOD, F. C. An introduction to the chemistry of cellulose. London Chapman & Hall, 1938. 387.1 M34  
ROBINSON, C. S., and GILLILAND, E. R. The elements of fractional distillation. Ed. 3. New York, McGraw-Hill, 1939. (International chemical series) 386 R56 Ed.3  
SCOTT, W. W. Standard methods of chemical analysis. Ed. 5., ed. by N. H. Furman and others. New York, Van Nostrand, 1939. 387 Sco3 Ed.5

Color

BRITISH COLOUR COUNCIL. Horticultural colour chart. Issued in collaboration with the Royal horticultural society. v.1. Banbury, Stone and son, 1938. Portfolio. 334.2 B76

Communication and Traffic

CONNECTICUT. DEPT. OF MOTOR VEHICLES. Tabulation of all elements concerned in 193,923 traffic accidents; ten year period 1927-1936, incl. Hartford, 1938. Mimeographed. 289.6 C762T  
NEW HAMPSHIRE. PUBLIC SERVICE COMMISSION. Table of mileages between cities, towns and villages in New Hampshire. Comp. with assistance of the Works progress administration for New Hampshire. Concord, 1937. 289.6 N45  
SPOKANE, Wash. CITY PLAN COMMISSION. Street parking survey, Spokane, Washington, 1937. [Spokane?] 1937. Mimeographed. 289.6 Sp6S  
----- Vehicle volume studies, Spokane, Washington, 1937. [Spokane?] 1937. Mimeographed. 289.6 Sp6V

Conservation of Natural Resources

GLOVER, K. America begins again. New York, McGraw-Hill, 1939. 279 G51

Cooperation

BROUCKÈRE, L. de. Les aspects politiques du mouvement coopératif, cours donné par L. de Brouckère, d'après notes rédigées par W. Serwy. Huy, Impr. coopérative [1938?] 280.2 B79

PRINCIPAL LIBRARY ACCESSIONS

## Cooperation (continued)

- COOPERATIVE LEAGUE OF THE UNITED STATES OF AMERICA. How Swedish cooperatives break monopolies. New York, Cooperative league [1938?] (Pamphlet. no. 389) 280.2 C786H
- FRY, V. Bricks without mortar. New York, Foreign policy association, 1938. (Headline books. no. 16) 280.2 F74
- INDIA. MYSORE. COMMITTEE ON CO-OPERATION. Report. Bangalore, Govt. press, 1936. 280.2 In2
- U. S. WORKS PROGRESS ADMINISTRATION. New York city. DIVISION OF "STUDY OF COOPERATION." "Literary development of cooperative principles and data." By V. Tereshtenko and others. New York, 1938. Processed. Ser. A, pt. 1. Index of the laws pertaining to cooperation, comp. under the supervision of J. Deutschman. 280.2 Un382

## Cost of Living

- AMERICAN FEDERATION OF LABOR. RESEARCH DIVISION. Cost of living in the South, Washington [1938?] 284.4 Am342
- WENTWORTH, Mrs. E. C., and SIMPICH, F. Living standards of Filipino families on an Hawaiian sugar plantation. Honolulu, Hawaii group, American council, Institute of Pacific relations, 1936. (International research series. Institute of Pacific relations) 284.4 W48

## Domestic Animals

- COLLINS, R. W. Race horse training. Lexington, Ky., The Blood-horse, 1938. 42 C69
- McCULLOCH, J. H. Sheep dogs and their masters. Dumfries, Dinwiddie, 1938. 48 M13

## Drainage

- TURNER, C. H. Land reclamation and drainage in Italy. London, King, 1938. 54 T86

## Drugs

- WALTON, R. P., and others. Marihuana; America's new drug problem. Philadelphia, Lippincott, 1938. 396 W17

## Economics, Agricultural

- BITTING, C. R. Some notes on controlled output. New York, Tyrrel [1938?] 281 B54C
- Some talks on sugar. New York, Tyrrel [1937?] 281.365 B54S
- BRANTON, J. H. Vital agriculture in Great Britain, Denmark and the Argentine. Bedford, Rush & Warwick, 1938. 281 B73



PRINCIPAL LIBRARY ACCESSIONS

## Economics, Agricultural (continued)

- JUTILA, K. T. The agricultural depression in Finland during the years 1928-35. Helsinki, Valtioneuvoston kirjapaino, 1937. (Finland. Ministry of agriculture. Publications. no. 18) 281.170 J98A  
SCHEIAMA, R. La Tunisie agricole et rurale et l'oeuvre de la France. Paris, Librairie generale de droit & de jurisprudence, 1938. (Bibliothèque de science économique. 6) 281.19 Scel

## Economics and Sociology

- ARNESON, B. A. The democratic monarchies of Scandinavia. New York, Van Nostrand, 1939. (The governments of modern Europe) 280.173 Ar6  
ASHER, P. H. National self-sufficiency. London, Nelson, 1938. (Discussion books. no. 2) 280 As33  
BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. ECONOMIC SCIENCE AND STATISTICS SECTION. Britain in recovery. London, Pitman, 1938. 280.171 B77B  
CHAMBERLIN, E. The theory of monopolistic competition. Ed.3. Cambridge, Harvard university press, 1938. (Harvard economic studies. v. 28) 280 C354 Ed.3  
COON, H. Money to burn. New York, Longmans, Green, 1938. 280 C78  
COWLES, G. S. The prospects of American democracy. New York, John Day, 1938. 280.12 C834  
GILBREATH, J. E. Individual worth in a social crisis. New York, Revell, 1938. 280 G373  
HABERLEIN, L. Das verhältnis von staat und wirtschaft mit besonderer hervorhebung der selbstverwaltung des reichsnährstandes und der landwirtschaftlichen marktordnung. Berlin, Verlag für Staatswissenschaften und geschichte, 1938 280.175 H11  
JOHNSON, J. E., comp. United States foreign policy. New York, Wilson, 1938. (The reference shelf, vol. 12, no. 6) 280.12 J622  
KING, W. A., and FULLERWIDER, E. D. The Pacific northwest. Cincinnati, Southwestern publishing company, 1938. 280.003 K58  
KORSCH, K. Karl Marx. London, Chapman & Hall, 1938. 280 K843  
LOUCKS, W. N., and HOOT, J. W. Comparative economic systems, capitalism, socialism, communism, fascism, cooperation. New York, Harper, 1938. 280 L92  
McLAUGHLIN, G. E. Growth of American manufacturing areas, a comparative analysis with special emphasis on trends in the Pittsburgh district. Pittsburgh, 1936. (Pittsburgh. University. Bureau of business research monographs. no. 7) 280.12 M223  
MERIAM, L. Reorganization of the national government; what does it involve? Pt. 1. An analysis of the problem, by L. Meriam. Pt. 2. A brief history of reorganization efforts, by L. F. Schmeckebier. Washington, 1939. (The institute for government research of the Brookings institution. Studies in administration. no. 36) 280.12 M54  
NEW FABIAN RESEARCH BUREAU, London. Democratic Sweden. Ed. by M. Cole and C. Smith. London, Routledge, 1938. 280.173 N42

PRINCIPAL LIBRARY ACCESSIONS

## Economics and Sociology (Continued)

- CHLIN, B. G. Staterna och världsekonomin. Stockholm, Kooperativa förbundets bokförlag, 1937. (Swedish edition, brought up to Jan. 1, 1937, of his Introductory report on the problem of international economic reconstruction) 280 Oh4
- PHILLIPS, C. F., and GARLAND, J. V. Government spending and economic recovery. New York, Wilson, 1938. (Contemporary social problems: discussion series, no. 1) 280.12 P542
- REID, J. R. A theory of value. New York, Scribner, 1938. 280 R272
- SLESINGER, D. Next steps forward: taxation, big business, government debt, old-age security. Washington, National home library foundation, 1938. 280.12 S12
- SOMERSET, H. C. D. Littlestone; a New Zealand rural community. [Auckland? N.Z.] 1938. (New Zealand council for educational research. Educational research series. no. 5) 281.2 So5
- SPENGLER, J. J. France faces depopulation. Durham, N. C., 1938. (Duke university publications) 280.174 Sp3
- WARD, P. W. A short history of political thinking. Chapel Hill, University of North Carolina press, 1939. 280 W212
- WILSON, M. L. Democracy has roots. New York, Carrick & Evans, 1939. [A summarized version of the facts and points of view presented in some lectures and informal conferences on the democratic process held by the Dept. of agriculture in the first half of 1938] 280.12 W692
- ZUTAVERN, A. B., and BULLOCK, A. E. The consumer investigates. South Pasadena, Commercial textbook co., 1938. 280 Z82

## Education

- NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. COMMITTEE ON THE ECONOMIC STATUS OF THE RURAL TEACHER. Rural and urban schools. Washington, 1937. 275 N2114
- U.S. NATIONAL YOUTH ADMINISTRATION, Illinois. DIVISION OF GUIDANCE, PLACEMENT, AND PRE-EMPLOYMENT TRAINING. Collateral studies for work experience on N.Y.A. projects. 5 v. Chicago, Merchandise mart, 1938-39. Processed. 275 Un3623

## Efficiency, Industrial

- BROWNRIGG, W., and KROEGER, L. J. Toward effective recruiting. Chicago, 1937. (Civil service assembly of the United States and Canada. Pamphlet. no. 7) Processed. 249.3 B82
- CLAPP, G. R. Supervisory training in the Tennessee valley authority. Chicago, 1938. (Civil service assembly of the United States and Canada. Pamphlet. no. 3) Processed. 249.3 C53

-----

PRINCIPAL LIBRARY ACCESSIONS

Efficiency, Industrial (continued)

- MOORE, H. Psychology for business and industry. New York, 1939. 249.3 M78  
WHITE, L. D. Government careers for college graduates. Chicago, 1937,  
(Civil service assembly of the United States and Canada. Pamphlet. no. 8)  
249.3 W58

Electricity

- LAWS, F. A. Electrical measurements. Ed. 2. New York, McGraw-Hill, 1938.  
335 L44 Ed.2  
POTTER, M. H. Electric welding. Chicago, American technical society, 1939.  
335 P85

Engineering

- HANNA, F. W., and KENNEDY, R. C. The design of dams. Ed.2. New York,  
McGraw-Hill, 1938. 290 H193 Ed.2  
HUSSEY, H. D. Rigid frames for bridges and buildings. New York, American  
institute of steel construction, 1937. 290 H96  
UNITED STATES STEEL CORPORATION. Suspension bridges. [n.p.] 1937.  
290 Un324Sb

Engineering, Mechanical.

- AMERICAN WELDING SOCIETY. Welding handbook, 1938 edition. New York, 1938.  
291 Am334W 1938  
COMPRESSED AIR INSTITUTE. Trade standards adopted by Compressed air institute.  
Ed. 5. New York, 1938. 291 C73 Ed.5  
LEWIS, S. R. Air conditioning for comfort. Ed. 3. Chicago, Keeney, 1938.  
291 L58 Ed.3  
MALLORY, P. R., & co., inc. Engineering data. Indianapolis, 1937. 291 M293  
MOYER, J. A., and FITTZ, R. U. Air conditioning. Ed. 2. New York, McGraw-  
Hill, 1938. 291 M87A Ed.2  
WALSHAW, A. C. Heat engines (a first text-book) New York, Longmans, Green,  
1938. 291 W16

English Language

- ALLEN, E. F., and MEADE, M. The secretary's encyclopedia. New York, World  
syndicate publishing company, 1938. 200 A154  
HARBARGER, S. A., and others. English for students in applied sciences. New  
York, McGraw-Hill, 1938. 200 H21E  
LONG, M. The new college grammar. New York, Ronald, 1938. 200 L85N



PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Entomology

- BOX, H. E. Observations on sugar-cane moth borers (*Diatraea* spp.) in St. Lucia. V.3 Castries, St. Lucia, B.W.I., Govt. print.off., 1938. 430 B69
- CLEGG, J. Aquatic insects. London, Marshall [1938] ("Water life" series. no. 6) 422 C58
- COSTA LIMA, A. M. da Insetos do Brasil. v. 1. Rio Janeiro, Officinas do obras do Jornal do commercio, 1939. (Rio de Janeiro. Escola nacional de agronomia. Serie citation. no. 2) 422.3 C821
- INTERNATIONAL LOCUST CONFERENCE. 5th, Brussels. 1938. Comptes rendus. Bruxelles, Impr. industrielle et financière, 1938. English, French and Italian. 429 In83 5th
- KASTON, B. J. Check-list of the spiders of Connecticut. Hartford, 1938. (Connecticut. State geological and natural history survey. Bulletin no. 60) 422.12 B77C Suppl. 1

## Fertilizers

- CONGRÈS INTERNATIONAL DES ENGRAIS CHIMIQUES. 1st, Rome, 1938. Rapports généraux. Rome, Fédération internationale des techniciens agronomes, 1938. German, French, English and Italian. 57.09 C76001

## Field Crops

- HARD RED WINTER WHEAT IMPROVEMENT CONFERENCE. 4th, Manhattan, Kans., 1938. Report. [Manhattan? 1938?] Mimeographed. 59.9 H213 4th
- SEMAY, P. Le coton, sa production et sa distribution dans le monde. Gap, Jean, 1937. 72 Se52
- WOOD, L. D. Hops; their production and uses. Chicago, The national hops company, 1938. 70 W85

## Finance

- BJØRSET, B., and others. Fra kriser til kredittkontroll. Oslo, Gruntdt, 1937. 284 B55
- BOWLEY, A. L. Three studies on the national income, being: The division of the product of industry, by A. L. Bowley; The change in the distribution of the national income 1880-1913, by A. L. Bowley; The national income, 1924, by A. L. Bowley and Sir Josiah Stamp. London, 1938. (Series of reprints of scarce works on political economy, no. 6) 284 B68T
- CLARK, C., and CRAWFORD, J. G. The national income of Australia. London, Angus & Robertson, 1938. 284 C545
- HARTWOOD, E. C. Cause and control of the business cycle. Ed.2 Cambridge, Mass., American institute for economic research, 1939. 284 H26 Ed. 2
- MATOLCSY, M., and VARGA, S. The national income of Hungary, 1924/25-1936/37. London, King, 1938. Trans. by L. Schweng. 284 M422

PRINCIPAL LIBRARY ACCESSIONS

## Finance (Continued)

- OREGON. UNIVERSITY. BUREAU OF MUNICIPAL RESEARCH AND SERVICE. Receipts and expenditures of Oregon counties, 1922-1937. [Eugene?] 1938. Processed. 284 Or5R
- PARIS, J. D. Monetary policies of the United States 1932-1938. New York, Columbia university press, 1933. 234 P21
- SHULTZ, W. J. American public finance. Ed. 2. New York, Prentice-Hall, 1938. 284 Sh9 Ed.2
- STABLER, C. W. The financial section of a newspaper. Rev.ed. New York, New York herald-tribune, 1938. 284 St1
- WYATT, T. W. Money and the machine age. London, King, 1937. 284 W97

## Food, Vitamines

- AMERICAN MEDICAL ASSOCIATION. COUNCIL ON FOODS. General decisions on foods and food advertising. [Chicago?] 1939. 389.4 Am3 1939
- Rules and regulations; information on the "Seal of acceptance" and submission of foods. [Chicago?] 1939. 389.5 Am37 1939
- ARKADY; a collection of articles treating mainly of scientific research in pursuit of the "Better loaf" contributed by various investigators and reprinted from "The Arkady review". Manchester, British Arkady co., 1938. 389.8 Ar4A
- CRAWFORD, Sir W., and BROADLEY, H. The people's food. London, Heinemann, 1938. 389.1 C853
- MONIER-WILLIAM, G. W. Lead in food. London, H. M. Stat. off., 1938. (Gt. Brit. Ministry of health. Reports on public health and medical subjects. no. 88) 449.75 G79R no. 88

## Forestry, Trees

- NEUBAUER, W. Zur systematik der waldbaulichen betriebsarten. W ien, Springer, 1938. (Erweiterter sonderabdruck aus Centralblatt für das gesante forstwesen, 63, jahrg., hft. 3, 4, 7/8, 12; 64. jahrg., hft. 3, 4) 99.55 M39

## Furniture

- PATTOU, A. B., and VAUGHN, C. L. Furniture, furniture finishing, decoration and patching. Chicago, Drake, 1938. 318 P27

## Grasses, Meadows

- GALLINAL H., J. P., and others. Estudios sobre praderas naturales del Uruguay. pt. 1. Montevideo, Imprenta germano uruguaya, 1938. 60.1 G13
- MacRAE, H. Continuous grazing at Invershiel. [n.p.] 1938. 60 M24
- PEEL, W. R. Grassland management for the practical farmer. London, Macmillan, 1938. 60 P34

PRINCIPAL LIBRARY ACCESSIONS  
(Continued)

Horticulture

- AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE. Current floricultural research, 1937-1938. A directory of floricultural research being conducted at the various colleges, etc. Beltsville, Md., 1938. Mimeoographed. 225 Am382
- CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN. 5th, Lisbon, 1938. Rapports généraux. Lisbonne, Editorial império, 1938. 95.09 C76 92 5th
- CONWAY, J. G., and HIATT, E. W. Flowers east-west. New York, Knopf, 1938. 96.03 C76
- INTERNATIONAL HORTICULTURAL CONGRESS. 12th, Berlin, 1938. Summaries of special reports, general reports, etc. Berlin, Trowitzsch, 1938. 90.09 C76123
- STOKER, F. A gardenor's progress. London, Putnam, 1938. 96 St6
- WATES, R. L., and WATTS, G. S. The vegetable growing business. New York, Orange Judd, 1939. 91 W34Vg

Insurance

- MASON, A. T. The Brandeis way. Princeton, Princeton university press, 1938. 284.6 M38
- SCHLUMBERGER, O. Hagelversicherung und schadensbeurteilung beim Körnermais. Berlin, Parey, 1938. 59.22 Sch33

Labor and Wages

- ATKINSON, R. C., and others. Public employment service in the United States. Chicago, Public administration service, 1938. (Committee on public administration. Social science research council. Studies in administration. v. 5) 283 At5
- COLE, G. D. H. Living wages; the case for a new minimum wage act. London, Gollancz, 1938. (New Fabian research bureau. Publication. no. 42) 283 C672
- MCGREGOR, A. G. Right wages and abundance. New York, Dutton, 1938. 280 M17R
- ROWNTREE, E. S. The human factor in business. Ed.3. London, Longmans, Green, 1938. 283 R79H

Land

- JAIN, B. F. Agricultural holdings in the united Provinces. Saharanpur, Malhipur press [1937?] 282 J19
- MADSEN, A. W., comp. Why rents and rates are high; land monopoly in town and country - 600 examples. London, United committee for the taxation of land values, 1938. 282 M262



PRINCIPAL LIBRARY ACCESSIONS  
(Continued)

Lumber Industry

- MELTON, W. R. The lumber industry of Washington. [Tacoma? Wash] 1938.  
(U. S. National youth administration of Washington. Industrial study.  
no. 1) Mimeographed. 99.76 M49
- MERSCH, V. S. Probate court practice in the District of Columbia. Washington,  
1939. 274.93 M55

Library Economy

- HARROD, L. M. The librarians' glossary. London, Grafton, 1938. 243 H24
- HUMBLE, M. Rural America reads. New York, American association for adult  
education, 1938. (Studies in the social significance of adult education  
in the United States. 13) 243 H882
- ILLINOIS. STATE LIBRARY. Catalog rules: series for archives material.  
Springfield, Ill., 1938. Processed. 243.2 I16
- WENMAN, L. M., and RICHARDSON, D. G., comp. List of subject headings for  
information file. Ed.4. New York, Wilson, 1938. (Modern American library  
economy as illustrated by the Newark, N. J. Free public library, by John  
Cotton Dana) 243.2 W48 Ed.4

Maps

- CALIFORNIA. DEPT. OF NATURAL RESOURCES. DIVISION OF MINES. Geologic map  
of California, by O. P. Jenkins. San Francisco, 1938. 226.09 C1222
- NEW SOUTH WALES. STATE MARKETING BUREAU. Harvesting of crops calendar.  
Sydney, Paisley, 1938. 36 N475

Marketing

- BULMAR, J., and VINTER, P. Milk from cow to consumer. London, Gollancz and  
the New Fabian research bureau, 1938. (New Fabian research bureau. Publi-  
cation. no. 41) 280.344 B87
- GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Report on margarine.  
London, H. M. Stat. off., 1938. (Parliament. Papers by command. Cmd. 5907)  
280.344 G792R
- LAUFENBURGER, H. Le commerce et l'organisation des marchés. Paris, Sirey,  
1938. (Traité d'économie politique. 5) 286 L36
- MILLER, R. L. The raisin proration program. [n.p.] 1938. Processed.  
280.395 M61

Mathematics, Surveying

- ANDERSON, R. O. Applied photogrammetry. Ed.2. Chattanooga, Tenn., 1939.  
325 An2 Ed. 2

PRINCIPAL LIBRARY ACCESSIONS

## Mathematics, Surveying (Continued)

- DAVID, F. N. Tables of the ordinates and probability integral of the distribution of the correlation coefficient in small samples. Issued by the Biometrika office, University college, London. Cambridge, Eng. Printed at the University press, 1938. 325 D28
- MARCH, H. W. and WOLFF, H. C. Calculus. Ed.3. New York, McGraw-Hill, 1937. 325 M33 Ed.3

## Medicine

- ANDREWS, G. C. Diseases of the skin for practitioners and students. Ed.2. Philadelphia, Saunders, 1938. 448 An22 Ed.2
- CLENDENING, L. Methods of treatment. Ed.6. St. Louis, Mosby, 1937. 448 C59 Ed.6
- MACKEE, G. M. X-rays and radium in the treatment of diseases of the skin. Ed.3. Philadelphia, Lea & Febiger, 1938. 448 M19 Ed.3
- ORMSBY, O. S. A practical treatise on diseases of the skin for the use of students and practitioners, with revision of the histopathology and mycology, by C. W. Finnerud. Ed.5. Philadelphia, Lea & Febiger, 1937. 448 Or5 Ed.5
- PARKER, R. C. Methods of tissue culture. New York, Hoeber, 1938. 448 P22
- TODD, J. C. and SANFORD, A. H. Clinical diagnosis by laboratory methods, a working manual of clinical pathology. Ed.8. Philadelphia, Saunders, 1937. 448 T562 Ed.8

## Moving Pictures

- ROSE, J. J. American cinematographer hand book and reference guide. Ed.2. Hollywood, Calif., American society of cinematographers, 1938. 332 R72

## Parasites

- HOUDENIER, E. F. Recherches de parasitologie comparée indochinoise. Paris, François, 1938. 436 H81
- LIVRO JUBILAR DO PROFESSOR LAURO TRAVASSOS, editado para comemorar o 25º aniversario de suas actividades scientificas (1913-1938) Rio de Janeiro, Brasil, Instituto Oswaldo Cruz, 1938. 436 L76
- PINTO, C. T. Zoo-parasites de interesse medico e veterinario. Rio de Janeiro, Nello, 1938. 436 P651Z

## Physics

- LEWIS, S. J. Spectroscopy in science and industry. London, Blackie, 1936. 334 L58
- MONK, G. S. Light principles and experiments. New York, McGraw-Hill, 1937. 334 M74

-----  
PRINCIPAL LIBRARY ACCESSIONS

(Continued)

Planning and Planning Board Publications

- IDAHO. STATE PLANNING BOARD. A study of taxing units in Idaho. Idaho, 1938. Processed. 280.7 Id1C
- ILLINOIS. STATE PLANNING COMMISSION. Report on the Sangamon river basin in Illinois. Revised edition of the report prepared for the National water resources survey of the National resources committee in 1936-37. Chicago, 1938. 280.7 I16S
- IOWA. STATE PLANNING BOARD. FARM TENANCY COMMITTEE. Report and recommendations of the Farm tenancy committee. Des Moines, 1938. 280.7 Io91R
- SOUTH DAKOTA. STATE PLANNING BOARD. Ownership of farm land in South Dakota, January 1, 1938. Brookings, 1938. Processed. 280.7 So82L 1938
- Supplementary report... Brookings, 1938. Processed. 280.7 So82L 1938.
- SOUTH DAKOTA. STATE PLANNING BOARD. AGRICULTURAL RESOURCES COMMITTEE. Land use problems in central South Dakota: 1937. Brookings, 1939. Processed. 280.7 So823L
- SOUTH DAKOTA. STATE PLANNING BOARD. AGRICULTURAL RESOURCES COMMITTEE. Tax status of farm land in South Dakota, January 1, 1938. Brookings, 1938. Processed. 280.7 So823T 1938
- Supplementary report. Brookings, 1939. Processed. 280.7 So823T 1938
- WASHINGTON (STATE). STATE PLANNING COUNCIL. A survey of the common school system of Washington with suggested first steps toward its progressive development and improvement. Olympia, 1938. 280.7 W27Su
- WHITNALL, C. B. Five lectures on planning given at the ninth annual session, Institute of government, the University of Southern California, Los Angeles, June 14-18, 1937. [Los Angeles?] 1937. 280.12 W612

Prices

- GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Index number of agricultural prices, 1938. London, H.M.Stat. off., 1938. 284.3 G798
- LAYTON, Sir W. T. and CROWTHER, G. An introduction to the study of prices. Ed.3. London, Macmillan, 1938. 284.3 L45 Ed.3

Roads

- ANESI, C. P. La carretera panamericana; su inauguración en el 9.º centenario del descubrimiento de America 1492 - 12 de octubre - 1942. Buenos Aires, Compañía general fabril financiera, 1938. 288 An3
- ARIZONA ROADS AND STREETS CONFERENCE. 1st, Tucson, 1938. Papers. [Tucson?] 1938. Processed. 288.9 Ar43

Science

- HOGBEN, L. T. Science for the citizen. New York, Knopf, 1938. 330 H672



PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Soils

- HALBOUTY, M. T. Petrographic and physical characteristics of sands from seven Gulf coast producing horizons. Houston, Tex., Gulf publishing co., 1937. 56.33 H12
- MAZZACCARA, A. Le basi scientifiche e le possibiliita' applicative di un problema agronomico-microbico della lavorazione del terreno. Foggia, Cappotta, 1938. 56.5 M45
- SOUTH AUSTRALIA. SOIL CONSERVATION COMMITTEE. Report. Adelaide, Trigg, 1938. 56.7 So82
- WRIGHT, C. H. Soil analysis. Ed.2. London, Murby, 1939. 56.4 W93 Ed.2

## Statistics

- AMERICAN SOCIETY OF MECHANICAL ENGINEERS. COMMITTEE ON STANDARDS FOR GRAPHIC PRESENTATION. Time-series charts. New York, 1938. (ASA Z15.2-1938) 251 Am352
- ARKIN, H. and COTTON, R. R. Statistical methods as applied to economics, etc. Ed.3. New York, Barnes & Noble, 1938. With this is bound the authors' Tables of squares, square roots, cubes and cube roots. New York, 1934. 251 Ar4 Ed.3
- CZECHOSLOVAK REPUBLIC. STATNÍ ÚRAD STATISTICKÝ. Recensement des exploitations agricoles dans la Republique tchecoslovaque d'après l'état au 27 mai 1930. Prague, 1932-36. (La statistique tchecoslovaque. v. 87-88, 91-92, 105-115. 16 serie (Recensement des exploitations agricoles, 1.-18. livr.)) 266.8 St1Ra 1930
- PATERSON, D. D. Statistical technique in agricultural research. New York, McGraw-Hill, 1939. 251 P27
- RIDER, P. R. An introduction to modern statistical methods. New York, Wiley, 1939. 251 R43
- SMITH, H. G. Figuring with graphs and scales. Stanford university, Stanford university press, 1938. 251 Sm5

## Taxation

- CALIFORNIA. LAWS, STATUTES, ETC. California corporation income tax act of 1937... Sacramento, California state printing off., 1938. 284.5 C123Cc
- CONNECTICUT. TAX COMMISSION. Methods of scientific assessment of real property for local taxation. [New Haven] 1939. (Taxation - Document No. 282) 284.5 C76Me
- KANSAS. LEGISLATIVE COUNCIL. RESEARCH DEPT. Concentration of state tax administration. Topeka, 1938 (Publication No. 72) Processed. 284.5 K132C
- LEAGUE OF VIRGINIA COUNTIES. Methods followed by Virginia counties in determining amount paid for unassessed live stock and poultry killed by dogs... Richmond, League of Virginia counties, 1938. (Report No. 9) Processed. 284.5 L475M

PRINCIPAL LIBRARY ACCESSIONS

## Taxation (Continued)

- NORTH CAROLINA. CLASSIFICATION AMENDMENT COMMISSION. Report. Raleigh, 1938. 284.5 N812
- OHIO CHAMBER OF COMMERCE. Taxes and recovery. [Columbus?] 1938. 284.5 Oh33T
- WISCONSIN. TAX COMMISSION. Wisconsin individual income tax statistics: 1936 income. v.1 [Madison?, 1938?] Processed. 284.5 W75W
- WISCONSIN. COMMISSION ON INTERSTATE COOPERATION. A brief summary of interstate problems affecting the assessment and collection of taxes, by H. L. Mount. Chicago, Council of state governments, 1938. Processed. 284.5 W754

## Technology

- CORN INDUSTRIES RESEARCH FOUNDATION. Corn in industry. Ed.2. New York City, 1938. 309 C81 Ed.2
- SUTERMEISTER, E. and BROWN, F. L. Casein and its industrial applications. Ed.2. New York, Reinhold, 1939. (American chemical society. Monograph series, no. 30) 309 Su8 Ed.2
- TRONDHEIM. NORGES TEKNISKE HØISKOLE. Avhandlingar til 25 - årsjubileet, 1935. Trondheim, Aktietrykkeriet, 1935. (Norwegian, German, French, and English. Articles in Norwegian have English or German summaries) 330 T75

## Transportation

- ALABAMA. The state of Alabama, et al., versus the New York central railroad company, et al. Atlanta, Foote & Davies, 1938. 289.22 A11
- NASHVILLE. RAILROAD AND PUBLIC UTILITIES COMMISSION. Nashville transportation survey. [Nashville?] 1937. Processed. 289 N17
- SPLAWN, W. M. W. Adaptation of government regulation to changing conditions; an address. [New Orleans?] 1938. Mimeographed. 289 Sp5
- U. S. FEDERAL COORDINATOR OF TRANSPORTATION. SECTION OF RESEARCH. Report on short line railroads. Washington, American short line railroad association, 1937. Processed. 289.22 Un392R
- U. S. FEDERAL COORDINATOR OF TRANSPORTATION. SECTION OF TRANSPORTATION SERVICE. The problem of the thin traffic branch line... Washington, American short line railroad association, 1937. Processed. 289.22 Un392

## Vegetable pathology

- PRETI, G. I nemici dei fiori come si combattono. Roma, Ramo editoriale degli agricoltori, 1937. 464.08 P92
- SÃO PAULO, BRAZIL (CITY) INSTITUTO BIOLOGICO. Principaes doenças da videira em São Paulo, por R. D. Gonçalves. São Paulo, Rothschild, 1938. 464.05 Sa6

PRINCIPAL LIBRARY ACCESSIONS

## Vegetable Pathology (continued)

TRINIDAD. DEPT. OF AGRICULTURE. Cacao and witchbroom disease (*Marasmius perniciosus*) of South America, with notes on other species of *Theobroma*. Report by Dr. F. J. Pound. Port-of-Spain, Yuille's printerie, 1938.  
68.3 T73C

## Water Pollution

PENTELOW, F. T. K. and others. An investigation of the effects of milk wastes on the Bristol avon. London, H.M. Stationery off., 1938.  
(Gt. Brit. Ministry of Agriculture and Fisheries. Fishery investigations., ser.1, v.4, no.1) 292 P383

## Veterinary Medicine

FELDMAN, W. H. Avian tuberculosis infections. Baltimore, Williams & Wilkins, 1938. 41 F332A  
KAUPP, B. F. and SURFACE, R. C. Poultry sanitation and disease control, the complete guide to sanitation and treatment of disease. Chicago, Kaupp and Surface, 1939. 41 K163P  
MOUSSU, R. Les chats, élevage et maladies. Paris, La Maison rustique, 1938. 41 M863  
REHLINGER, P. and REILLY, J. La maladie d'Aukeszky. Paris, Masson, 1938. 41 R283

## Weeds

MAKKUS, W. A. Die bekämpfung von unkräutern und schädlingen unter besonderer berücksichtigung der düngung mit kalkstickstoff. Berlin, Arbeitsgemeinschaft der Deutschen stickstoff-industrie für das landwirtschaftliche beratungswesen, 1937. 79 M292

## Zoology

ALLEN, A. A. The golden plover and other birds. Ithaca, Comstock, 1939.  
413 A153G  
GRINDLEY, G. C. The intelligence of animals. London, Methuen, 1937.  
411 G883  
INTERNATIONAL ORNITHOLOGICAL CONGRESS. 8th, Oxford, 1934. Proceedings. Oxford, University press, 1938. English, French, German and Italian.  
413.9 In8208  
PEARSE, A. S. Animal ecology. Ed.2. New York, McGraw-Hill, 1939.  
411 P312A Ed.2



-----  
PRINCIPAL LIBRARY ACCESSIONS  
(Continued)

Theses

- BREWE, W. Beitrag zur differentialdiagnose parasitärer und nichtparasitärer gebilde bei der mikroskopischen untersuchung des hühnerkotes. Lengerich i.W., 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 436 B753
- BRÜGGEMANN, H. Vergleichende untersuchungen verschiedener flotationsmedien zum nachweis von leberegeleiern im kot von schaf und rind. Quakenbrück, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 436 B357
- BUMÜLLER, E. Untersuchungen über eine vereinfachung des diagnostischen kaninchenversuches bei der ansteckenden blutarmut des pferdes. Alfeld (Leine) 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 41.2 B882
- DORY, J. Nachweis von helmintheninvasionen mit hilfe serologischer methoden unter besonderer berücksichtigung der präzipitation bei trichinose. Würzburg, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 436 D732
- FELDMANN, L. Untersuchungen über den virusgehalt des speichels von mit ansteckender blutarmut behafteten pferden. Alfeld (Leine) 1938. Inaug.-diss. - Tierärztl. hochschule, Hannover, 1937. 41.2 F333
- HAALCK, O. Spülungen und infusionen mit entozon B an gesunden und Kranken eutervierveln. Alfeld (Leine) 1938. Inaug.-diss. - Tierärztl. hochschule, Hannover, 1937. 41.2 H116
- HARING, K. Untersuchungen am kaninchen und pferd über den kutanen infektionsweg bei der ansteckenden blutarmut der pferde wie über die empfänglichkeit des schafes für das anämievirus. Quakenbrück, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 41.2 H223
- HELL, H. Die immunotherapie des gelben galtes. Ein versuch über eine lokale immunbehandlung des gelben galtes mit "Mastitox", einem "antivirus"-präparat nach Besredka. Quakenbrück, 1938. Inaug.-Diss. - Tierärztl. hochschule, Hannover, 1937. 41.2 H3614
- HOMBRINK, H. Verträglichkeitsprüfungen und behandlungsversuche mit ozon an gesunden und kranken eutervierveln und intravenöse oxoninsufflationen. (Cytozonapparat). Warendorf in Westfalen, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 41.2 H754
- JACOBI, H. J. The Catholic family in rural Louisiana. Washington, D. C., 1937. (Catholic university of America. School of social work, Monograph, no. 8) Thesis (M.S.) - Catholic university of America, Wash., D.C. 281.2 J15
- JACQUET, J. Contribution à l'étude de l'immunité dans les infestations intestinales par les nématodes en relation avec le problème de leur spécificité parasitaire. Paris, 1937. Thèse - Faculté de médecine de Paris. 436 J16

-----

PRINCIPAL LIBRARY ACCESSIONS

Theses (continued)

- JOHANSEN, E. Beitrag zur klärung des wanderung der Strongylus equinus-larven im tierkörper. (Versuche an weissen mäusen) Alfeld (Leine) 1938. Inaug.-diss. - Tierärztl. hochschule, Hannover, 1937. 436 J592
- KRAFT, E. Beitrag zur bekämpfung der wurmkrankheiten der pferde. Quakenbrück, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 436 K852
- MÖNKEMEIER, A. Weitere vergleichende untersuchungen über die vereinfachung des kaninchenversuches für die diagnose der ansteckenden blutarmut des pferdes. Springe, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 41.2 M74
- NOBIS, J. Einleitende untersuchungen über den wert des vereinfachten kaninchenimpfversuchs für die differentialdiagnose der ansteckenden blutarmut der pferde. Alfeld (Leine) 1938. Inaug.-diss. - Tierärztl. hochschule, Hannover, 1937. 41.2 N66
- OEHLKERS, H. Über den gelben knopf und die sonstigen trichomonaden-erkrankungen der tauben. Hannover, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 436 Oh4
- PETERS, T. Weitere beiträge zur diagnose der ansteckenden blutarmut der pferde mit hilfe des kaninchenversuches. Springe, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 41.2 P444
- PRESSER, H. Der wert des kaninchenimpfversuches für die epidemiologie der ansteckenden blutarmut der pferde. Zeulenroda, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 41.2 P923
- RISCHMÜLLER, H. Versuche zur behandlung verschiedener ektoparasitärer erkrankungen bei pferd u. rind mit Derrophen, dem standardisierten derrispräparat der i.g. farbenindustrie. Quakenbrück, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 436 R492
- ROTTMANN, W. Einleitende untersuchungen über die diagnose des ansteckenden blutarmut der pferde mit hilfe des vereinfachten meerschweinschenimpfversuches. Quakenbrück, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 41.2 R 744
- WEBER, W. E. Kommen im blut und organen von hunden mit ikterus und solchen mit rasch verlaufender Stuttgarter-hundeseuche spironemaceen vor und haben sie eine ursächliche bedeutung bei diesen krankheiten? Würzburg, 1937. Inaug.-diss. - München. 41.2 W383
- WIEBRINGHAUS, H. Über die bei der amtlichen dasselbekämpfung 1936/37 im kreise Hannover-land gemachten erfahrungen. Berlin, 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 436 W63
- WILKENING, H. Hautreaktionen mit trichinen- und askarisantigen bei gesunden und mit Ascaris lumbricoides befallenen schlachtschweinen. Alfeld (Leine) 1938. Inaug.-diss. - Tierärztl. hochschule, Hannover, 1937. 436 W65
- ZIERVOGEL, H. G. Fütterungsversuche an trächtigen schafen mit heu von sauren wiesen. Alfeld (Leine) 1937. Inaug.-diss. - Tierärztl. hochschule, Hannover. 389.7 Z6

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- Carpenter, L. V. Bibliography and abstracts on the chloramine treatment or water. Director: Lewis V. Carpenter; sponsor: Department of Sanitation, New York city. [New York] 1937. 226 p. (U. S. Works progress administration, New York City. Research in selected problems in sewage treatment.) 241.64 C22
- Consumer credit institute of America, Inc. Consumer credit bibliography. Compiled by Ernestine Wilder under the direction of Consumer credit institute of America, inc. New York, Prentice-Hall, 1938. 142 p. 241.3 C762
- Federal writers' projects. Illinois. Selected bibliography: Illinois, Chicago and its environs. Chicago, 1937. 58 p. (American guide series) Processed. 242 F31
- Imperial bureau of animal health, Weybridge, Surrey. List of publications searched by the Imperial bureau of animal health. Veterinary publications. [Chertsey, Eng., Burrell, (T.U.) 1938] 12 p. 241.71 Im7
- Katalog över Kungl Landtbruksakademiens Bibliotek. Tillägg omfattande bibliotekets tillväxt, 1927-1936. Stockholm, 1938. 341 p. 241 Sw3
- McCulloch, J. R. The literature of political economy, a classified catalog of select publications in the different departments of that science, with historical, critical, and biographic notices. Reprinted by the London School of economics and political science. (University of London). London, 1938. 407 p. (Series of reprints of scarce works on political economy, no. 5) 241.3 M13
- New South Wales. Department of agriculture. Catalogue of the periodical literature filed in the Library, Department of agriculture, New South Wales. Compiled by F. H. Bolt. June, 1938. Sydney, Paisley, 1938. 132 p. 241.9 N472
- Special libraries association. Public business librarians group. Directories for the business man. Compiled by Laura A. Eales of the Public business librarians group with the cooperation of the Publications committee of the Special libraries association. New York, The association, 1938. 241.9 Sp35
- Tennessee. State Planning Commission. Check list of publications. Revised. Nashville, March 1939. 4 p.
- Velu, H. Vingt-cinq ans de recherches vétérinaires au Maroc, 1913-1938. Titres et travaux scientifiques de Henri Velu. [Casablanca, L'Imprimerie française, 1938] 59 p. 241.71 V54
- World congress of universal documentation, Paris. 1937. Rapports préliminaires. Einführende berichte. Preliminary reports. Paris, Secrétariat, 1937. French, German, and English. 240.9 W89

## U. S. Department of Agriculture

## Agricultural Adjustment Administration

- Publications of the Consumers' counsel division. March 1939. 12 p. (CS-58-Rev.-2) Issued by Consumers counsel division. 1.94 Ad422Cs



-----

BIBLIOGRAPHIES AND LISTS

U. S. Department of Agriculture (continued)

Agricultural Economics

State trade barriers: selected references. Comp. by Louise O. Bercaw, Library of the bureau. 16 p. March 1939. (Economic Library List No. 1) 1.9 Ec73E

This is the first of a series of lists to be compiled from time to time by the Library of the Bureau of Agricultural Economics which are designed to be less comprehensive than those issued in the series "Agricultural Economics Bibliography". The present list supersedes a typewritten list with the same title, dated October 12, 1938. An author and subject index accompanies the list.

Office of Information

State and federal agricultural publications applicable to Tennessee valley area. Includes publications of U. S. Department of agriculture Agricultural adjustment administration, and states in Tennessee valley area (Alabama, Georgia, Kentucky, Mississippi, North Carolina, Tennessee, Virginia). 88 p. Feb. 1939. 1.9 In32S

Plant Industry

A library for a soil scientist. By C. E. Kellogg. 1939. 3 p. Issued by Soil survey division. 1.9 P6926L

- o - o - o - o - o - o - o - o - o -

TRANSLATIONS RECEIVED IN THE LIBRARY

From Kansas State College

RATANOV, K. N. Opisanie kubyshek saranchevykh (The description of locust egg-pods). Zapadno-sibirskaya kraevaya stantsiya zashchity rastenii, Novosibirsk. Izvestiia 1(9): 40-70. 1935.

From North Carolina State College

TALVITIE, A. Über die elektrolytische oxydation der glyoxylsäure (The electrolytic oxydation of glyoxylic acid). Ann. Acad. Sci. Fennicae, Ser.A XLV (6): 1-32. 1936. Translated by R. E. Clegg.

From Soil Conservation Service

VADAS, E. Beiträge zur anatomie des robinienholzes (Contributions to the anatomy of locust wood). Naturw. Ztschr. Land u. Forstwiss.III: 303-308. 1905. Translated by Samuel Grober.

- o - o - o - o - o - o - o - o - o -

-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

- BEAN, L. H., and BOLLINGER, P. H. The base period for parity prices. Jour. Farm Econ. 21: 253-257. Feb. 1939.
- Monetary policy in relation to land values. Jour. Farm Econ. 21: 262-264. Feb. 1939.
- HOWE, F. C. Land for the free. Free Amer. 3(2): 6-8. Feb. 1939.

Bureau of Agricultural Economics

- CLAY, H. J. Disposing of the surplus honey crop. Gleanings In Bee Culture 67: 140-142, 184-188. Mar. 1939.
- DEWEY, R. L. (Book Review) Economics of transportation (rev. ed.), by D. Philip Locklin. 863 p. Chicago, Bus. Pubs., 1938. Amer. Econ. Rev. 29: 143. (Pt. 1). Mar. 1939.
- [EDLER, G. C.] U.S. seed verification service. In Seed Trade Buyers' Guide, Ed. 22, p. 198-199. 1939.
- EDWARDS, E. E. (Book Review) Behold our land, by Russell Lord. 307 p. Boston, Houghton Mifflin Co., 1938. Miss. Val. Hist. Rev. 25: 587-588. Mar. 1939.
- (Book Review) The Winnebago-Horicon Basin: A type study in western history, by Joseph Schafer. (Wis. Domesday Book; Gen. Studies, v. 4.) 349 p. Madison, State Hist. Soc. of Wis., 1937. Miss. Val. Hist. Rev. 25: 569-570. Mar. 1939.
- The southern plantation. (Address) Jour. South. Hist. 5(1): 63. Feb. 1939.
- GILCREAST, R. M. Land use problems in Minnesota. (Address) Jour. Farm Econ. (Proc. Number) 21: 280-286. Feb. 1939.
- GRAY, L. C. Federal purchase and administration of submarginal land in the Great Plains. (Address) Jour. Farm Econ. 21: 123-131. Feb. 1939.
- HAINSWORTH, R. G. Graphic methods used in presenting agricultural economic information. (Address) Jour. Farm Econ. 21: 346-353. Feb. 1939.
- HOLMES, I. Results of four methods of sampling individual farms. (Address) Jour. Farm Econ. 21: 365-374. Feb. 1939.
- JOHNSON, S. E. Adapting farm management research to new opportunities. (Address) Jour. Farm Econ. 21: 98-106. Feb. 1939.
- KELSO, M. M. Discussion (of a paper "Public control of land use in Europe" by K. Brandt). Jour. Farm Econ. 21: 71-73. Feb. 1939.
- RICHARDS, P. Livestock marketing methods and livestock prices. (Address) Jour. Farm Econ. 21: 219-227. Feb. 1939.
- SARLE, C. F. Development of partial and sample census methods. (Address) Jour. Farm Econ. 21: 356-364. Feb. 1939.
- SLOCUM, R. R. We need simple grade names. Poultry Item 41(5): 18, 31-32. Mar. 1939.

---

\*These lists are prepared in the offices under which they are listed with the exception of the Office of the Secretary and the Farm Security Administration.

-----

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics (continued)

- STINE, O. C. Base periods for farm price studies. (Address) Jour. Farm Econ. 21: 238-242. Feb. 1939.
- THOMSEN, F. L. Measuring changes in the demand for farm products. (Address) Jour. Farm Econ. 21:132-142. Feb. 1939.
- TOLLEY, H. R. Contribution of agricultural economics to the general welfare. (Address) Jour. Farm Econ. 21(1): 8-21. Feb. 1939.
- WHEELER, L. A. The complementary and competitive character of agriculture in Latin America and the United States. (Address) Jour. Farm Econ. 21: 375-379. Feb. 1939.

Bureau of Agricultural Engineering

- BENNETT, C. A. (With CHARLES S. SHAW, Bur. Agr. Econ., junior author) Overhead cleaning-drying systems for seed cotton. Cotton Ginn. Jour. 10(3): 5-6, 19. Dec. 1938.
- BENNETT, C. A. (With FRANCIS L. GERDES, Bur. Agr. Econ., junior author) Preventing gin damage to cotton. Cotton Ginn. Jour. 10(5): 7, 10, 18-19. Feb. 1939.
- BENNETT, C. A. and BAGGETTE, THOMAS L. Fan and piping tests at the United States cotton ginning laboratory. Cotton Ginn. Jour. 10(4): 5, 6, 16, 19. Jan. 1939.

Bureau of Biological Survey

- ALDOUS, S. E. Pine in the diet of white-tailed deer. Jour. Forestry 37: 265-267. March 1939.
- BASSETT, C. F. The meat requirements of fox vixens during the reproductive period. Amer. Fur Breeder 11 (8): 10. Feb. 1939. Also in: Canad. Silver Fox and Fur 5 (2): 16. Feb. 1939; Fur Trade Jour. Canada 16 (6): 10. Feb. 1939; Natl. Fur News, p. 5. Feb. 1939.
- CHEESMAN, W. H. United States Bureau of Biological Survey. Amer. Ann. 1939: 86-88. 1939.
- DUMONT, P. A. Summary of bird banding, Sand Lake Waterfowl Refuge. Inland Bird Banding News 10 (4): 10-12. Dec. 1938.
- Banding at Sand Lake Refuge. Inland Bird Banding News 11 (1): 3. March 1939.
- ENDERS, R. K. Mink breeding through the microscope. Canad. Silver Fox and Fur 4 (12): 5-6. Dec. 1938. Also in: Fur Canada 4 (4): 3-5. Dec. 1938; Amer. Fur Breeder 11 (7): 6-8, Jan. 1939; Black Fox Mag. 22 (9): 10-11, 29-30. Jan. 1939; Brit. Fur Trade 22 (185): 55. Jan. 1939; Natl. Fur News 10 (12): 5, 13, 14. Jan. 1939; Fur Trade Jour. Canada 16 (5): 10-11. Jan. 1939.



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey (continued)

- GOLDMAN, E. A. Two new pocket gophers from Lower California. Biol. Soc. Wash. Proc. 52: 29-32. March 11, 1939.
- A new pocket mouse of the genus *Perognathus* from Nevada. Biol. Soc. Wash. Proc. 52: 33-36. March 11, 1939.
- JACKSON, H. H. T. Statement on "mammals." "Poster Stamp Album," Natl. Wildlife Fed. Feb. 1939.
- JEWETT, S. G. Additional notes on the black pigeon hawk. Condor 41: 84-85. Mar./Apr. 1939.
- NEFF, J. A. Procedure and methods of controlling birds injurious to crops in California. Part II: Control methods. Calif. Dept. Agr. Leaflet. 153 p. Nov. 1, 1937. (Mimeographed).
- PEARSON, A. M. (with J. W. WEBB, junior author). Planting food crops for game birds. Ala. Polytech. Inst., Agr. Expt. Sta. 5 p. March 1939. (Mimeographed leaflet).
- SHELDON, H. P. Guns and game; Ammunition editors; old British customs; literary muse; September's offerings; Nature's treasure chest; bird banding. Country Life and the Sportsman 75 (1): 21, 26, 106. Nov. 1938.
- Guns and game: Grouse shooting; last day reflections; interlude; book reviews. Country Life and the Sportsman 75 (2): 19, 22. Dec. 1938.
- Guns and game: Tributes to a sportsman and to a gracious lady; wildfowl restrictions. Country Life and the Sportsman 75 (3): 13, 16. Jan. 1939.
- TEMPLETON, G. S. Buying food for rabbits. Small Stock Mag. 22 (12): 5. Dec. 1938.
- ZAHNISER, H. Indoors and out. Nature Mag. 32: 183, 237. April 1939.

Bureau of Chemistry and Soils

- ALLISON, F. E. and LUDWIG, C. A. Legume nodule development in relation to available energy supply. Jour. Amer. Soc. Agron. 31: 149-158. Feb. 1939.
- BALLS, A. K. Enzyme action in food products and at low temperatures (Abstract). Ice and Cold Storage XLI: 143. Aug. 1938.
- Enzyme action in food products and at low temperatures. In Brit. Assoc. Refrig. Proc., London, England, Gen. Conf. on Refrig., p. 10-15. July 12, 1938.
- BROTHER, G. H. Casein plastics. In Casein and its Industrial Applications (ACS Monograph), Chapter 7: 181-232. Ed. 2, 1939.
- BROWNE, C. A. The development of the sugarcane industry in Louisiana and the southern United States. Internatl. Soc. Sugar Cane Technologists Proc. 1938:46-57. 1939.
- DACHNOWSKI-STOKES, A. P. The growth of natural vegetation as water cultures. Sci. Mo. XLVIII: 232-237. Mar. 1939.

-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils (Continued)

- FEUSTEL, I. C. Fractionation and titration of the acidic constituents of peat. Internatl. Soc. Soil Sci. Trans. 1937 (B): 345-356.
- FLECK, E. E. and PALKIN, S. The composition of so-called pyroabietic acid prepared without catalyst. Jour. Amer. Chem. Soc. 61: 247-249. Feb. 1939.
- HOOVER, S. R. The semi-quantitative estimation of mineral oil in the shells of processed eggs. U. S. Egg and Poultry Magazine 45: 162-163, 188. Mar. 1939.
- KNIGHT, H. G. Possibility of a domestic root starch industry. Contrib. from Iowa Corn Research Institute 1: 219-227. Jan. 1939.
- (With I. O. SCHAUB, N. C. Agr. Expt. Sta., senior author) A new farm enterprise in the south, the growing of pickling cucumbers. So. Agr. LXIX(3): 8. Mar. 1939.
- KUNSMAN, C. H. (Book Review) The electrochemistry of gases and other dielectrics, by G. Glockler and S. C. Lind. Jour. Indus. & Engin. Chem., News Ed., 17: 174-175. Mar. 10, 1939.
- LINEWEAVER, HANS The energy of activation of enzyme reactions, and their velocity below zero degrees C. Jour. Amer. Chem. Soc. 61: 403-408. Feb. 1939.
- LUNDSTROM, F. O. and MEHRING, A. L. The complete composition of commercial mixed fertilizers. Jour. Indus. & Engin. Chem. 31: 354-361. Mar. 1939.
- MCELHINNEY, T. R., CLARK, T. F. and LYNCH, D. F. J. Low-cost molding material from agricultural wastes. Mod. Plastics 16(7): 42-44, 70-72, 74, 76. Mar. 1939.
- MILLER, J. T. and BROWN, I. C. Observations regarding soils of northern and central Mexico. Soil Sci. 46: 427-451. Dec. 1938
- NELSON, E. K. and CURL, A. L. Volatile flavor and fixed acids of montmorency cherry juice. Jour. Amer. Chem. Soc. 61: 667-668. Mar. 1939.
- NELSON, G. H., LEVINE, M., and LYNCH, D. F. J. Removal of iron by lignin in water treatments. Paper Trade Jour. (TAPPI section) 108: 117-120 Mar. 2, 1939.
- WEIHE, H. D. and LYNCH, D. F. J. A simplified combustion pipette. Jour. Indus. & Engin. Chem. (Analyt. Ed.) 11(3): 169-170. Mar. 1939
- NEUBERT, A.M. and MOTTERN, H. H. Canning freestone peaches. Wash. State Hort. Assoc. Proc. 1938: 105-108.
- PAINE, H. S., THURBER, F. H., BALCH, R. T. and RICHEL, W. R. Sweetpotatoes as raw material for starch manufacture. Chem. & Metall. Engin. 46: 69-71. Feb. 1939
- SMITH, A. K., MAX, H. J. and HANDLER, P. The dispersion of proteins in aqueous formaldehyde solutions. Jour. Phys. Chem. 43(3): 347-357. Mar. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils (continued)

- SPIES, J. R. Isoguanine from the croton bean. Jour. Amer. Chem. Soc. 61: 350-351. Feb. 1939
- and HARRIS, T. H., JR. Some salts of 2-ocy-6-8 diamino purine. Jour. Amer. Chem. Soc. 61: 351-352. Feb. 1939
- WHEELER, D. H. and SANDO, C. E. (With R. W. Riemenschneider, National Cottonseed Products Association, senior author) The Probable identity of a- and b- linoleic acids. Jour. Biol. Chem. 127: 391-402. Feb. 1939
- WIEBE, R. and GADDY, V. L. The solubility in water of carbon dioxide at 50, 75 and 100° at pressures to 700 atmospheres. Jour. Amer. Chem. Soc. 61: 315-318. Feb. 1939

Bureau of Entomology and Plant Quarantine

- BARBER, H. S. A new parasitic beetle from California (Ripiphoridae). Brooklyn Ent. Soc. Bul. 34: 17-20. Feb. 1939.
- BRADLEY, G. H. A consideration of some phases of the mosquito control problem. Jour. Econ. Ent. 32: 110-112. Feb. 1939.
- BRINDLEY, T. A. Biology and control of the pea weevil in the Palouse area of Idaho and Washington. Jour. Econ. Ent. 32: 21-24. Feb. 1939.
- BURGESS, A. F. The gypsy moth as it approaches the barrier zone. East. Shade Tree Conf. Proc. (1938): 53-58. 1939.
- CAMPBELL, R. E., and STOLE, M. W. Trapping elaterid beetles as a control measure against wireworms. Jour. Econ. Ent. 32: 47-53. Feb. 1939.
- CASSIDY, T. P., and BARBER, T. C. Hemipterous insects of cotton in Arizona: their economic importance and control. Jour. Econ. Ent. 32: 99-104. Feb. 1939.
- DAHMS, R. G., and FENTON, F. A. Plant breeding and selecting for insect resistance. Jour. Econ. Ent. 32: 131-134. Feb. 1939.
- DOUGLASS, J. R., WAKELAND, C., and GILLET, J. A. Field experiments for control of the beet leafhopper in Idaho, 1936-37. Jour. Econ. Ent. 32: 69-78. Feb. 1939.
- FURNESS, R. L. Insects attacking forest products and shade trees in Washington and Oregon in 1937. Ent. Soc. Brit. Columbia Proc. 35: 5-8. Feb. 25, 1938.
- GIBSON, K. E. Wireworm damage to potatoes in the Yakima Valley of Washington. Jour. Econ. Ent. 32: 121-124. Feb. 1939.
- HADLEY, C. H. The Japanese beetle as a shade tree pest and its control in the East. East. Shade Tree Conf. (1938): 47-49. 1939.
- HULL, J. B., and SHIELDS, S. E. Pyrethrum and oils for protection against salt-marsh sand flies (Culicoides). Jour. Econ. Ent. 32: 93-94. Feb. 1939.
- HOLLOWAY, J. K. An agar preparation for feeding adult parasite insects. Jour. Econ. Ent. 32: 154. Feb. 1939.
- LATTA, R. Observations on the nature of bulb mite attack on Easter lilies. Jour. Econ. Ent. 32: 125-128. Feb. 1939.



-----

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- McDONALD, R. E. Continent-wide eradication of pink bollworm. Cotton Ginners' Jour. 10: 7, 18. Mar. 1939.
- MORELAND, R. W., and GAINES, J. C. Insecticide tests for the control of the bollworm in 1936. Jour. Econ. Ent. 32: 104-106. Feb. 1939.
- ROMNEY, V. E. Breeding areas of the tomato psyllid, Paratrioza cockerelli (Sulc). Jour. Econ. Ent. 32: 150-151. Feb. 1939.
- SEATON, L. A feeding record of Pterostichus (Poecilus) chalcites (Say) upon June beetle eggs and grubs. Jour. Econ. Ent. 32: 151-152. Feb. 1939.
- SIEGLER, E. H., MUNGER, F., and SMITH, L. E. Toxicity to the codling moth larva of derivatives of benzene containing halogen and nitro groups. Jour. Econ. Ent. 32: 129-131. Feb. 1939.
- STRONG, L. A. Insects cannot win. Civilization's unnatural balance cause of apparent victory ... Most insects are no more numerous, only more notorious ... Many new insecticides. Sci. Amer. 160:222-224. Apr. 1939.
- VANCE, A. M. Occurrence and responses of a partial second generation of the European corn borer in the Lake States. Jour. Econ. Ent. 32: 83-90. Feb. 1939.
- WALTER, E. V., and LAHUE, D. W. Notes on food for corn ear worm adults. Jour. Econ. Ent. 32: 156. Feb. 1939.
- WEIGEL, C. A. The rose midge as a pest of garden roses. Amer. Rose Ann. (1939): 118-123.

Farm Security Administration

- CAUFIELD, J. H. Small farmers succeed with cooperatives. Texas and Oklahoma farmers unite to buy good equipment and livestock. Prog. Farmer (Texas ed.) 54(2): 12. Feb. 1939.
- REID, T. R. Public assistance to low-income farmers of the South. Jour. Farm Econ. 21: 188-194. Feb. 1939.
- SMITH, R. C. Public assistance to low-income farmers in the North. Jour. Farm Econ. 21: 178-187. Feb. 1939.

Forest Service

- BOMHARD, M. L. What palms grow in Louisiana. Part 5. In La. Conservation Rev. Winter, 1938-39, p. 38-40.
- COWLIN, R. W. Allowable cut, depletion and current growth in the Douglas fir region. West Coast Lumberman 66(3): 30-31. Mar. 1939.
- EBERLY, H. J. Fire protection makes progress in South. Naval Stores Rev. 48(49): 10. Mar. 4, 1939.
- GISBORNE, H. T. Determination of normal fire danger. In Iowa. State college. The Ames forester. 1938, p. 27-31.

PUBLICATIONS BY U.S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- HEADLEY, R. Trends toward mechanization of forest fire control. Forestry Chron. 15(1): 29-33. Mar. 1939.
- LIEFELD, T. A. How long will a streak yield gum? Naval Stores Rev. 48(50): 10, 14. Mar. 11, 1939.
- PESSIN, L. J. Root habits of longleaf pine as associated species. Ecology 20(1): 47-57. Jan. 1939.
- FEW, J. C. and SCHAFER, E. R. Forest products laboratory springwood-summerwood measuring instrument. South. Pulp and Paper Jour. 1(2): 16-17, 31. Jan. 1939.
- PICKFORD, G. D. Forest service enters on range research program region six. In Iowa. State college. The Ames forester, 1938, p. 55-59
- RAPRAEGER, E. F. Matches from Idaho's white pines. Amer. Forests 45(3): 112-114. Mar. 1939.
- SHANTZ, H. L. Land management and wildlife on the national forests. In Iowa. State college. The Ames Forester, 1938, p. 33-36.
- SILCOX, F. A. A federal plan for forest regulation within the democratic pattern. South. Lumberman 158(1989): 30,35. Feb. 15, 1939.
- SILCOX, F. A. The community forest as a public asset. Kiwanis Mag. 24: 142-143, 188. Mar. 1939.
- STANDING, A. R. Use of key species, key areas and utilization standards in range management. In Iowa. State college. The Ames forester, 1938, p. 9-19
- TIEMANN, H. D. Lessons in wood technology. 9: Bordered pits in Tracheids. South. Lumberman 158(1991): 49-51. Mar. 15, 1939.
- WINSLOW, C. P. Markets for New England's wind-felled forests. Amer. Forests 54(3): 115-118, 141. Mar. 1939.

Bureau of Home Economics

- McELROY, OLIVE E., and MUNSSELL, HAZEL E. Ascorbic acid content of commercially canned tomatoes and tomato juice. Jour. Amer. Med. Assoc. 111: 2138-2139. Dec. 3, 1938.

Bureau of Plant Industry

- ATKINS, I.M. Small grain investigations. Texas Agr. Expt. Sta. Ann. Rpt. (1936/37) 50:207-212. 1937. (Recd 1939). (In cooperation)
- BATJER, L.P. Nitrogen fertilization in the apple orchard. Maryland Fruit Grower 9(3):1-2,4,6,8,10. Mar. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- BAYLES, B. B. & TAYLOR, J.W. Wheat improvement in the eastern United States. Cereal Chem. 16:208-233. Mar. 1939.
- BEACHELL, H.M. Cereal nursery seeders. (Note) Jour. Amer. Soc. Agron. 31:265-268. Mar. 1939. (With Texas Agr. Substa. no.4)
- (With R.H. WYCHE, Texas Agr. Expt. Sta. senior author) Rice cultural experiments. Texas Agr. Expt. Sta. Ann. Rpt. (1936/37) 50:188-190. 1937. (Recd 1939).
- Rice investigations. Texas Agr. Expt. Sta. Ann. Rpt. (1936/37) 50:187-188. 1937, (Recd 1939) (In cooperation)
- BLAKE, S.F. A new variety of *Iva ciliata* from Indian Rock shelters in the south-central United States. Rhodora 41:81-86. Mar. 1939.
- BROWN, E. Preserving the viability of Bermuda onion seed. Science 89:292-293. Mar. 31, 1939.
- BROWN, N.A. Colchicine in the prevention, inhibition, and death of plant tumors. Phytopathology 29:221-231. Mar. 1939.
- BURTON, G.W. Scarification studies on southern grass seeds. Jour. Amer. Soc. Agron. 31:179-187. Mar. 1939.
- CARDON, P.V. Toward a grassland agriculture. Jour. Amer. Soc. Agron. 31:229-231. Mar. 1939.
- DARROW, G.M. Mulching of strawberries in relation to winter injury. Missouri State Hort. Soc. Proc. 1936/38:189-191. Dec. 1938.
- ELLIOTT, C. & ROBERT, A.L. *Tripsacum dactyloides*, another native host of *Aplanobacter stewarti*. (Note) Phytopathology 29:284-285. Mar. 1939.
- FENNELL, J.L. A natural garden of the Great Cypress swamp in Florida. Natl. Hort. Mag. 18:43-45, 50. Jan. 1939.
- FINNEY, K.F. & BARMORE, M.A. Maintaining a uniform temperature in an experimental baking oven. Cereal Chem. 16:289-292. Mar. 1939.
- HOPE, C. *Hippeastrum decoratum* Lemaire. Natl. Hort. Mag. 18:66-68. Jan. 1939.
- Kalanchoes for the window garden. Natl. Hort. Mag. 18:1-27. Jan. 1939.
- JODIDI, S.L. Factory and field application of maturity test for peas. Can-ning Trade 61(34):7-10, 12. Mar. 27, 1939.
- KIENHOLZ, J.R. Stony pit, a transmissible disease of pears. Phytopathology 29:260-267. Mar. 1939. (With Oregon Agr. Expt. Sta.)
- LeCLERG, E.L. Studies on a cultural variant of *Rhizoctonia solani*. Phytopathology 29:267-274. Mar. 1939. (With Minnesota Agr. Expt. Sta.)
- McCALL, M.A. Bureau of plant industry welcomes Turf culture. Turf Cult. 1(1):6-9. Jan. 1939.
- McFADDEN, E.S. (With P.C. MANGELSDORF, Texas Agr. Expt. Sta.) Breeding small grains for resistance to rust. Texas Agr. Expt. Sta. Ann. Rpt. (1936/37) 50:84-86. 1937. (Recd 1939).
- (With P.C. MANGELSDORF, Texas Agr. Expt. Sta.) Flax as a winter crop in south Texas. Texas Agr. Expt. Sta. Ann. Rpt. (1936/37) 50:89-90. 1937. (Recd 1939).



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- MALLISON, E.D. Should fruit packages be ventilated? New York Packer 35(2):6. Dec.24,1938.
- MILLER, F.W. A promising new copper spray for the control of walnut blight. Oregon State Hort. Soc. Ann. Rpt. (1938) 30:148-151. [1939]
- Studies on filbert blight and its control: Second report of progress. Oregon State Hort. Soc. Ann. Rpt. (1938) 30:166-171. [1939]
- MORRISON, B.Y. Four early snowdrops. Natl. Hort. Mag. 18:57. Jan.1939.
- Rhododendron chapmanii A.Gray. Natl. Hort. Mag. 18:48-50. Jan.1939.
- MOSS, E.G. The right start for high quality tobacco. Progr. Farmer Car.-Va. Ed. 54(4):12,63. Apr.1939.
- O'MARA, J.G. Observations on the immediate effects of colchicine. Jour. Heredity 30:35-37. Feb.1939. (With Missouri Agr. Expt. Sta.)
- RICHMOND, T.R. (With D.T. KILLOUGH, senior author, & R.E. Harper, Texas Agr. Expt. Sta.) Inheritance in cotton. Texas Agr. Expt. Sta. Ann. Rpt. (1936/37) 50:72-75. 1937. (Recd 1939).
- RUSSELL, G.A. (With V.A. LITTLE, Texas Agr. Coll.) Devil's shoestring, Tephrosia virginiana Linn. as an insecticide. Texas Agr. Expt. Sta. Ann. Rpt. (1936/37) 50:65-66. 1937 (Recd 1939)
- RUSSELL, P. Prunus subhirtella Miquel. Higan cherry. Variety Yae-shidare-higan. Natl. Hort. Mag. 18:64-66. Jan.1939.
- SCHREINER, O. Edmund Cecil Shorcy, 1865-1939. Science 89:238. Mar.17, 1939.
- SCHUSTER, C.E. Fertilizer trials on orchard cover crops in field and greenhouse. Oregon State Hort. Soc. Ann. Rpt. (1938) 30:110-113. [1939]
- SEARS, E.R. Amphidiploids in the Triticinae induced by colchicine. Jour. Heredity 30:38-43. Feb.1939. (With Missouri Agr. Expt. Sta.)
- SHAMEL, A.D. Avocado studies in Mexico in 1938. California Avocado Assoc. Yearbk. 1938:67-83. Dec.1938.
- THORBERY, H.H. & McKINNEY, H.H. Purification of Nicotiana virus 6 protein. Phytopathology 29:250-260. Mar.1939.
- WALDO, G.F. New varieties of small fruit and their place in Oregon horticulture. Oregon State Hort. Soc. Ann. Rpt. (1938) 30:57-62. [1939]
- WEISS, F. Flower spot of azaleas. Directions given for identification and control. South. Florist & Nurseryman 46(22):5,12-13,16-17. Mar.10,1939.
- WESTOVER, H.L. Alfalfa improvement in N.Amer. Chronica Botanica 5: 27-29. 1939.

Bureau of Public Roads

- BROWN, D.T. The Central Americas build a highway. Better roads 9: 37-40, Mar. 1939.
- EAGER, W.L. Seismograph - Utilized for sub-surface investigations. West.construct.news 14: 89-90. Mar. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Public Roads (continued)

- GIBBS, G.I. The spiral in highway design. Highway mag. 30: 63-65. Mar. 1939.
- GORDON, G.B. Roadside development in the west... what it is... is not... and can be... West. construct. news 14: 45-48. Feb. 1939.
- JAMES, E.W. The Pan American highway conference. Excavating engin. 33: 155, 158, 160. Mar. 1939.
- WILLIAMS, J.C. Mountain maintenance. West. construct. news 14: 92-95. Mar. 1939.

Soil Conservation Service

- BENNETT, H.H. and LOWDERMILK, W.C. The menace of soil erosion. Sci.Digest 4: 77-80. Dec. 1938.
- CALKINS, H.G. (With F.C.W. Pooler) Our land: a joint message to the teachers of New Mexico. N. Mex. School Rev. 18 (7): 5-6. Mar. 1939.
- CHARLES, F.E. Six sock soil erosion. Posey county (Ind.) farmers join in demonstrating effective control measures. Ind. Farmers Guide 95: 147, 153. Mar. 25, 1939.
- COX, W.T. Marsh firebreaks. - a boon to wildlife. Amer. Forests 45: 109-111, 137. Mar. 1939.
- DAVIS, K. Gang up on erosion. Winona county (Minnesota) farmers "join up" to fight against soil losses. Farmer 57(5): 7, 23. Mar. 11, 1939.
- ELLINGSON, E.J. Tax reverted lands in the lake states. Jour. Farm Econ. 21: 276-279. Feb. 1939.
- HAMILTON, C.L. A national terrace classification. Agr. Engin. 20: 95-96, 98. Mar. 1939.
- HUNT, L.O. Torrey pine. Jour. Forestry 37: 267-268. Mar. 1939.
- MAES, E.E. New Mexico: a study in two populations. N. Mex. School Rec. 18(7): 7-8. Mar. 1939.
- MANWEILER, J. Minnesota's 'big bog'. Minn. Conservationist No. 63: 12-13, 24-25, 28. Dec. 1938.
- Wildlife management in Minnesota's "Big Bog." Minn. Conservationist No. 64: 14-15, 23, 27. Jan. 1939.
- Woodland caribou in the "big bog." Minn. Conservationist No. 65: 16-17, 23, 30. Feb. 1939.
- OTTO, G.H. The use of statistical methods in effecting improvements on a Jones sample splitter. Jour. Sedimentary Petrology 7: 110-132. Dec. 1937.
- RAYMOND, A. An adventure in learning. N. Mex. School Rec. 18(7): 11-12. Mar. 1939.
- STRONG, H.M. Soil, water and forest in life and education. Prog. Educ. 16: 174-181. Mar. 1939.
- TAPPAN, J.B. The land use and conservation issue. N. Mex. School Rev. 18(7): 2. Mar. 1939.
- WILLIAMSON, T.B. Barter - twentieth century version at Jemez pueblo, New Mexico. Indians at Work (U.S.Dept.Interior.Off.Indian Affairs) 6(8): 36-37. Apr. 1939.

-----

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK\*

Alabama

BARRONS, K. C. Studies of the nature of root knot resistance. Jour. Agr. Research [U. S.] 58: 263-271. Feb. 15, 1939.

Arizona

DAVIS, R. N. Some properties of milk powders with particular reference to sweet buttermilk powders. Jour. Dairy Sci. 22: 179-189. March 1939.

Arkansas

THARP, W. H., and YOUNG, V. H. Relation of soil moisture to Fusarium wilt of cotton. Jour. Agr. Research [U. S.] 58: 47-61. Jan. 1, 1939. (In Coop. with U. S. Dept. Agr.)

California

ALMQUIST, H. J., and MECCHI, E. Vitamin A requirements of laying hens. Poultry Sci. 18: 129-137. March 1939.

BAILEY, S. F. The six-spotted thrips, *Scolothrips sexmaculatus* (Perg.). Jour. Econ. Ent. 32: 43-47. Feb. 1939.

BEACH, J. R. (With N. M. TWISSELMANN, Univ. Calif.) An experimental attempt to produce lymphomatosis in chickens by injections with *Salmonella aertrycke* and lymphomatous nerve tissue, with observations on the blood pictures of the chickens. Poultry Sci. 18: 160-164. March 1939.

BOYCE, A. M., and PERSING, C. O. Tartar emetic in the control of citrus thrips on lemons. (Note) Jour. Econ. Ent. 32: 153. Feb. 1939.

BROWN, G. T., and HOSKINS, W. M. Factors concerned in the deposit of sprays. V. The effects of pH upon the deposit of the oil and water phases of oil emulsions. Jour. Econ. Ent. 32: 57-61. Feb. 1939. (G. T. Brown, Univ. Calif.)

EVANS, H. M. (With H. FRAENKEL-CONRAT, M. E. SIMPSON, and C. H. LI) Characterization of gonadotropic hormones of the hypophysis by their sugar and glucosamine content. Science 89: 249-250. March 17, 1939.

FLANDERS, S. E. A black scale parasite with promising qualities. (Note) Jour. Econ. Ent. 32: 152. Feb. 1939.

HART, G. H. Studies on growth and early maturity. Vet. Med. 34: 212-216. April 1939.

---

\*Prepared in Office of Experiment Stations Library.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

California (continued)

- KELLEY, W. P., WOODFORD, A. O., DORE, W. H., and BROWN, S. M. Comparative study of the colloids of a Cecil and a Susquehanna soil profile. Soil Sci. 47: 175-193. March 1939. (A. O. Woodford, Pomona College)
- KLOTZ, L. J., and FAWCETT, H. S. Isolation of *Phytophthora* spp. (Note) *Phytopathology* 29: 290-291. March 1939.
- LAMIMAN, J. F. Pear bud injury and the pear leaf blister mite. Jour. Econ. Ent. 32: 40-43. Feb. 1939.
- MICHELbacher, A. E. Seasonal variation in the distribution of two species of *Symphyla* found in California. Jour. Econ. Ent. 32: 53-57. Feb. 1939.
- REED, H. S. The relation of copper and zinc salts to leaf structure. Amer. Jour. Bot. 26: 29-33. Jan. 1939.
- SMITH, F. R. The occurrence of *Streptococcus zymogenes* in the intestines of animals. Jour. Dairy Sci. 22: 201-202. March 1939.
- TAYLOR, L. W., and LERNER, I. M. Inheritance of eggshell thickness in White Leghorn pullets. Jour. Agr. Research [U. S.] 58: 383-396. March 1, 1939.
- TINLEY, J. M. Reducing cost of distributing milk in California. Jour. Farm Econ. 21: 299-308. Feb. 1939.
- TOMPKINS, C. M. A mosaic disease of radish in California. Jour. Agr. Research [U. S.] 58: 119-130. Jan. 15, 1939.
- TOMPKINS, C. M. Two mosaic diseases of annual stock. Jour. Agr. Research [U. S.] 58: 63-77. Jan. 1, 1939.
- WAMPLER, E. L., and HOSKINS, W. M. Factors concerned in the deposit of sprays. VI. The role of electrical charges produced during spraying. Jour. Econ. Ent. 32: 61-69. Feb. 1939. (E. L. Wampler, Univ. Calif.)
- WIETING, J. O. G., and HOSKINS, W. M. The olfactory responses of flies in a new type of insect olfactometer. II. Responses of the housefly to ammonia, carbon dioxide and ethyl alcohol. Jour. Econ. Ent. 32: 24-29. Feb. 1939. (J. O. G. Wieting, Univ. Calif.)
- YARWOOD, C. E. Control of powdery mildews with a water spray. (Note) *Phytopathology* 29: 288-290. March 1939.
- YARWOOD, C. E. Powdery mildews of peach and rose. *Phytopathology* 29: 282-284. March 1939.

Connecticut (Storrs)

- BROWN, B. A. Fertilizers for potatoes in southern New England. Amer. Fert. 90: 9-11, 22, 24. Feb. 18, 1939.
- PLASTRIDGE, W. N., WILLIAMS, L. F., and BANFIELD, L. Some factors affecting the agglutinability of streptococci associated with bovine mastitis. Jour. Bact. 37: 352. March 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Connecticut (State)

- BAILEY, E. M. [and others] Report of Committee to cooperate with the American public health association on methods of milk analysis. Jour. Assoc. Off. Agr. Chem. 22: 104-105. Feb. 1939.  
TURNER, N. Construction of metal termite shields. Pests 7: 16-17. Feb. 1939.

Florida

- ROGERS, L. H., GALL, O. E., and BARNETTE, R. M. The zinc content of weeds and volunteer grasses and planted land covers. Soil Sci. 47: 237-243. March 1939.  
SANDERS, D. A. Some observations on the nature and transmission of enzootic bronchopneumonia (pneumoenteritis) of dairy calves. Jour. Amer. Vet. Med. Assoc. 94: 28-31. Jan. 1939.  
THOMPSON, W. L. Some possible reasons for the increase of purple scale infestations. Citrus Indus. 19: 6-7, 17, 20. Dec. 1938.  
WATSON, J. R. Getting rid of termites in banked citrus trees. Citrus Indus. 19: 8, 23. Dec. 1938.  
WATSON, J. R. The winter clean-up of citrus aphids. Citrus Indus. 20: 13, 16. Jan. 1939.

Georgia

- BURTON, G. W. Scarification studies on southern grass seeds. Jour. Amer. Soc. Agron. 31: 179-187. March 1939. (In Coop. with U. S. Dept. Agr.)

Idaho

- DOUGLASS, J. R., WAKELAND, C., and GILLETT, J. A. Field experiments for control of the beet leafhopper in Idaho, 1936-37. Jour. Econ. Ent. 32: 69-78. Feb. 1939. (J. R. Douglass, U. S. Dept. Agr.)

Illinois

- ASHBY, R. C. Types of livestock markets and the price structure. Jour. Farm Econ. 21: 195-214. Feb. 1939.  
BURMESTER, B. R., and CARD, L. E. The effect of resecting the so-called "chalaziferous region" of the hen's oviduct on the formation of subsequent eggs. Poultry Sci. 18: 138-145. March 1939.  
CASE, H. C. M. Discussion of "Contribution of agricultural economics to the general welfare," by H. R. Tolley. Jour. Farm Econ. 21: 21-25. Feb. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (continued)

- HAHN, A. J., and TRACY, P. H. Controlling milk pasteurization efficiency through the use of the phosphatase test. Jour. Dairy Sci. 22: 191-200. March 1939.
- JOHNSTON, P. E. Effect of the AAA on farm organization and operation. Jour. Farm Econ. 21: 46-54. Feb. 1939.
- NORTON, L. J. Discussion of "Measuring changes in the demand for farm Products," by F. L. Thomsen. Jour. Farm Econ. 21: 142-144. Feb. 1939.
- OUTHOUSE, J., KINSMAN, G., SHELDON, D., TWOMEY, I., SMITH, J., and MITCHELL, H. H. The calcium requirements of five pre-school girls. Jour. Nutrition 17: 199-211. March 10, 1939.
- STEGGERDA, F. R., and MITCHELL, H. H. The calcium requirement of adult man and the utilization of the calcium in milk and in calcium gluconate. Jour. Nutrition 17: 253-262. March 10, 1939. (F. R. Steggerda, Univ. Ill.)
- STEWART, C. L. Land rents and land values in Italy. Jour. Farm Econ. 21: 273-275. Feb. 1939.
- WORKING, E. J. Graphic method in price analysis. Jour. Farm Econ. 21: 337-345. Feb. 1939.

## Indiana

- CALDWELL, R. M. Breeding disease resistant tomato varieties. 1. For the Middle West and East. Canner 88: 87. Feb. 25, 1939.
- DAVIS, J. J. The necessity of a changing world. Jour. Econ. Ent. 32: 1-10. Feb. 1939.
- KRAMBELL, H. R. Chemistry and the utilization of agricultural products. Jour. Assoc. Off. Agr. Chem. 22: 37-43. Feb. 1939.
- WORZELLA, W. W., and CUTLER, G. H. A critical study of technique for measuring granulation in wheat meal. Jour. Agr. Research [U. S.] 58: 329-341. March 1, 1939.

## Iowa

- ARTHUR, I. W. Discussion of "Types of livestock markets and the price structure," by R. C. Ashby. Jour. Farm Econ. 21: 214-218. Feb. 1939.
- CLAYDON, T. J., and HAMMER, B. W. A skunk-like odor of bacterial origin in butter. Jour. Bact. 37: 251-258. March 1939.
- DRAKE, C. J. (With H. M. HARRIS, Ames, Iowa) A new Rhagovelia from Cuba. Pan-Pacific Ent. 14: 152. Oct. 1938.
- HENDERSON, E. W. A comparison of dry milk, meat and bone meal and combinations of both as protein supplements for egg production and a critique of methods. Poultry Sci. 18: 106-113. March 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Iowa (continued)

- HIKON, R. M., and BLAKE, A. L. Portable field drier. (Note) Jour. Amer. Soc. Agron. 31: 268-270. March 1939. (In coop. with U. S. Dept. Agr.)
- HOPKINS, J. A., Jr. Technological developments affecting farm organization. Jour. Farm Econ. 21: 165-177. Feb. 1939.
- LOWE, B. M. Cooking studies with frozen poultry. U. S. Egg and Poultry Mag. 45: 156-159. March 1939.
- LOWE, B. M. More palatability studies with poultry. U. S. Egg and Poultry Mag. 45: 212-214. April 1939.
- MORTENSEN, M. Development of the dairy industry in Iowa. U. S. Egg and Poultry Mag. 45: 143-189. March 1939.
- SILVERMAN, M., and WHELAN, C. H. Bacterial synthesis of cocarboxylase. Enzymologia 5: 385-387. Jan. 1, 1939. (M. Silverman, Iowa State Col.)

## Kansas

- SWANSON, C. O. Test weight factors. Northwest. Miller 197: 8a, 20a-21a. March 8, 1939.
- THROCKMORTON, R. I. Laboratory teaching in beginning courses in crops and soils. Jour. Amer. Soc. Agron. 31: 232-238. March 1939.
- WHITNAH, C. H., PETERSON, W. J., ATKESON, F. W., and CAVE, H. W. Carotene balance and blood-carotene levels in heifers and lactating dairy cows, and their relation to the production of off-flavor milk. Jour. Agr. Research [U. S.] 58: 343-355. March 1, 1939.

## Kentucky

- ALLEN, H. R. Filtering before addition of platonic chloride in the analysis of fertilizers for potash. Jour. Assoc. Off. Agr. Chem. 22: 162-167. Feb. 1939.
- CARPENTER, C. D., and MARTIN, J. H. A genetic approach to the control of adult mortality in the fowl. Poultry Sci. 18: 168-174. March 1939.
- DIACHUN, S. The effect of some soil factors on Penicillium injury of corn seedlings. Phytopathology 29: 231-241. March 1939.

## Louisiana

- DAVIS, F. L. A tool for the rapid sampling of soils. (Note) Jour. Amer. Soc. Agron. 31: 270. March 1939.
- SAVILLE, R. J. Discussion of "Effect of the AAA on farm organization and operation," by P. E. Johnston. Jour. Farm Econ. 21: 55-56. Feb. 1939.

## Maine

- DOW, G. F. Reducing cost of distributing milk in Maine. Jour. Farm Econ. 21: 309-314. Feb. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Maryland

WALLS, E. P., and KEMP, W. B. Use of the tenderometer in forecasting grades of Alaska peas for canning. *Canner* 88: 20, 22. Feb. 18, 1939.

Massachusetts

- BECKER, W. B. Larval development of the native elm bark beetle, *Hylurgopinus rufipes* (Eich.), in Massachusetts. *Jour. Econ. Ent.* 32: 112-121. Feb. 1939.
- KUZMESKI, J. W. Effect of particle size on the solubility of magnesium in dolomite and magnesian limestone in 4 per cent citric acid solution adjusted to pH 4.0 with ammonium hydroxide. *Jour. Assoc. Off. Agr. Chem.* 22, 147-150. Feb. 1939.
- RICE, C. C., FELLERS, C. R., and CLAGUE, J. A. Cranberry juice - properties and manufacture. *Fruit Prod. Jour. and Amer. Vinegar Indus.* 18: 197-200, 219. March 1939.
- RUFFLEY, J., Jr., CLAGUE, J. A., and FELLERS, C. R. Canned baked apples. *Canning Age* 20(2): 68-70, 82(4): 179-181. Feb., March 1939. (J. Ruffley, Jr., and J. A. Clague, Mass. State Col.)

Michigan

- BOUYOUCOS, G. J., and MICK, A. H. A method for obtaining a continuous measurement of soil moisture under field conditions. (Note) *Jour. Amer. Soc. Agron.* 31: 271. March 1939.
- Article with same title appeared in *Science* 89: 252. March 17, 1939.
- FABIAN, F. W. Some factors responsible for pickle spoilage. *Canner* 28: 18, 26. Feb. 11, 1939.
- FREEMAN, V. A. Variations in the number of vertebrae of swine. *Jour. Heredity* 30: 61-64. Feb. 1939.
- HAMANN, E. E., and HUDDLESON, I. F. Effect of protosil and sulfanilamide on *Brucella abortus* infection in two cows. *Jour. Amer. Vet. Med. Assoc.* 94: 35-37. Jan. 1939.
- HAMANN, E. E., and HUDDLESON, I. F. Studies of an atypical strain of *Brucella abortus* isolated from a naturally infected animal. *Vet. Med.* 34: 232-233. April 1939.
- MAHOLEY, C. H., and BATES, W. D. The use of the analysis of covariance and its limitation in the adjustment of yields based upon stand irregularities. *Jour. Agr. Research [U. S.]* 58: 317-328. March 1, 1939.
- RASMUSSEN, E. J. Causes of premature defoliation of sour cherry. *Oreg. State Hort. Soc. Rpt.* 30(1938): 131-137. [1939]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Minnesota

- DOSDALL, L. Spraying flowers to prevent disease. Minn. Hort. 67: 44. March 1939.
- GULLICKSON, T. W. Theophilus Levi Haecker, 1846-1938. Jour. Dairy Sci. 22: 203-206. March 1939.
- KRANTZ, F. A. Twenty-five years in the history of the potato. Amer. Potato Jour. 16: 25-31. Feb. 1939.
- LeCLERG, E. L. Studies on a cultural variant of *Rhizoctonia solani*. Phytopathology 29: 267-274. March 1939.
- MICKEL, C. E. Photopsoid mutilids collected by Dr. K. A. Salman at Eagle Lake, California. Pan-Pacific Ent. 14: 178-185. Oct. 1938.
- POMEROY, B. S., and FENSTERMAACHER, R. Paratyphoid infection of turkeys. Jour. Amer. Vet. Med. Assoc. 94: 90-96. Feb. 1939.
- WILSON, H. K. Some researches in education at the University of Minnesota. Jour. Amer. Soc. Agron. 31: 239-248. March 1939.

Missouri

- BRODY, S. Editorial review. Factors influencing the apparent energetic efficiency of productive processes in farm animals. Jour. Nutrition 17: 235-251. March 10, 1939.
- HAMMAR, C. H. Land values and government agricultural policy. Jour. Farm Econ. 21: 258-261. Feb. 1939.
- O'MARA, J. G. Observations on the immediate effects of colchicine. Jour. Heredity 30: 35-37. Feb. 1939. (In Coop. with U. S. Dept. Agr.)
- PETERSON, V. E., and TURNER, C. W. The energy content of goat milk. Jour. Nutrition 17: 293-301. March 10, 1939.
- SEARS, E. R. Amphidiploids in the *Triticinae* induced by colchicine. Jour. Heredity 30: 38-43. Feb. 1939. (In Coop. with U. S. Dept. Agr.)

Montana

- GUNDERSON, H., and STRAND, A. L. Toxicity of hydrogen cyanide, chlorpicrin and ethylene oxide to eggs, nymphs and adults of the bedbug. Jour. Econ. Ent. 32: 106-110. Feb. 1939.
- MONSON, O. W. Hydrology-snow survey section of the Northwest scientific association: report. Northwest Sci. 13: 21-24. Feb. 1939.
- STARCH, E. A. Type of farming modifications needed in the Great Plains. Jour. Farm Econ. 21: 114-120. Feb. 1939.
- TUNNICLIFF, E. A., and MALSH, H. An alum-precipitated toxoid as an immunizing agent against infectious necrotic hepatitis (black disease) in sheep. Jour. Amer. Vet. Med. Assoc. 94: 98-110. Feb. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Nebraska

- HATHAWAY, I. L., DAVIS, H. P., REECE, R. P., and BARTLETT, J. W. Effect of pregnancy urine extract on lactation in the rat. Soc. Expt. Biol. and Med. Proc. 40: 214-218. Feb. 1939.
- JUDD, B. I., and WELDON, M. D. Some changes in the soil during natural succession of vegetation after abandonment in western Nebraska. Jour. Amer. Soc. Agron. 31: 217-228. March 1939.

Nevada

- CHURCH, J. E. Exhibit and discussion of apparatus for measuring snowfall and snowcover, both accumulation and evaporation: (1) The Mount Rose snow sampler. (2) The Stevens beam balance for field use in weighing evaporation. Assoc. Internatl. Hydrol. Sci. 6(1936) v. 2: 749-754. 1938.
- CHURCH, J. E. Plans and ideals of the International Commission of Snow. Assoc. Internatl. Hydrol. Sci. 6(1936) v. 2: 3-6. 1938.
- VAWTER, L. R. A ranch observation on feeding sheaf oats to lambing ewes. Jour. Amer. Vet. Med. Assoc. 94: 128-129. Feb. 1939.

New Hampshire

- SLANETZ, L. W., and NAGHSKI, J. Methods for the diagnosis and control of bovine mastitis. Jour. Bact. 37: 252. March 1939.

New Jersey

- CORDON, T. C., and HAENSELER, C. H. A bacterium antagonistic to Rhizoctonia solani. Soil Sci. 47: 207-215. March 1939.
- GEHM, H. W., and TRUBNICK, E. H. Application of the photoreflectometer for the measurement of turbidity in sewage. Sewage Works Jour. 11: 3-8. Jan. 1939.
- HAMILTON, C. C. Winter spraying - trees and shrubs. Shade Tree 12: 2-5. Feb. 1939.
- PIRONE, P. P. A new menace to gardenias: bacterial leaf spot. Florists Exch. 92: 18. Feb. 11, 1939.
- RUDOLES, W., and GEHM, H. W. High and low temperature digestion. VI. Supernatant liquor treatment with chemicals. Sewage Works Jour. 11: 19-34. Jan. 1939.
- RUSSELL, W. C. Vitamins in the nutrition of animals. Jour. Amer. Vet. Med. Assoc. 94: 81-89. Feb. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

New Jersey (continued)

- STARKEY, R. L. A species of *Azotobacter* tolerant to high acidity.  
Science 89: 267. March 24, 1939.
- WAKSMAN, S. A., and CORDON, T. C. Thermophilic decomposition of plant residues in composts by pure and mixed cultures of microorganisms.  
Soil Sci. 47: 217-225. March 1939.

New York (Cornell)

- GALLUP, W. D., and NORRIS, L. C. Assimilation and storage of manganese in the developing embryo and growing chick. Poultry Sci. 18: 99-105. March 1939.
- GUTERMAN, C. E. F. Research in home economics and agriculture. Jour. Home Econ. 31: 145-148. March 1939.
- HARDENBURG, E. V., and PLATENIUS, H. A preliminary report on the waxing of seed potatoes. Amer. Potato Jour. 16: 37-40. Feb. 1939.
- HERRINGTON, B. L. (With V. N. KRUKOVSKY, Cornell Univ.) Studies of lipase action. I. Lipase action in normal milk. Jour. Dairy Sci. 22: 127-135. March 1939.
- HERRINGTON, B. L. (With V. N. KRUKOVSKY, Cornell Univ.) Studies of lipase action. III. Lipase action in the milk of individual cows. Jour. Dairy Sci. 22: 149-152. March 1939.
- HUTT, F. B. Heredity and environment. Amer. Poultry Jour. 69: 4, 21, 22, 23. Dec. 1938.
- KRUKOVSKY, V. N., and HERRINGTON, B. L. Studies of lipase action. II. The activation of milk lipase by temperature changes. Jour. Dairy Sci. 22: 137-147. March 1939. (V. N. Krukovsky, Cornell Univ.)
- LADD, C. E. Contributions of agricultural economics to farming. Jour. Farm Econ. 21: 1-7. Feb. 1939.
- LAMOREUX, W. F., and HUTT, F. B. Breed differences in resistance to a deficiency of vitamin B<sub>1</sub> in the fowl. Jour. Agr. Research [U. S.] 58: 307-316. Feb. 15, 1939.
- LIVERMORE, J. R. Correlation of seedling performance in the greenhouse and subsequent yield in the field. Amer. Potato Jour. 16: 41-43. Feb. 1939.
- MILLER, J. I., and MORRISON, F. B. Relative efficiency for growing lambs of the protein in rations containing alfalfa hay, timothy hay, and combinations of the two hays. Jour. Agr. Research [U. S.] 58: 149-155. Jan. 15, 1939.
- PEARSON, F. A. (With K. R. BENNETT, Cornell Univ.) The case for the 1910-14 base. Jour. Farm Econ. 21: 243-246. Feb. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (Cornell) (continued)

- SMITH, O. Fertilizer and nutrition studies with the potato in 1938.  
Amer. Potato Jour. 16: 53-66. March 1939.
- SPENCER, L. Ways of reducing costs of distributing milk in new York.  
Jour. Farm Econ. 21: 291-298. Feb. 1939.
- WARREN, S. W. Long-time price changes and farm operation. Jour. Farm  
Econ. 21: 156-164. Feb. 1939.

## New York (State)

- CARPENTER, D. C. Splitting proteins by ultra-violet light. Science 89:  
251. March 17, 1939.
- RASMUSSEN, M. P. Consumers' incomes and demand for certain perishable  
farm products. Jour. Farm Econ. 21: 145-154. Feb. 1939.

## North Carolina

- COLLINS, E. R., and SPEER, F. R. Decomposition of dolomitic limestone  
in soils when used as a neutralizing agent in complete fertilizers;  
studies on Dunbar very fine sandy loam, Ruston sandy loam, Norfolk  
fine sandy loam, and Portsmouth fine sandy loam. Jour. Assoc. Off.  
Agr. Chem. 22: 142-147. Feb. 1939.

## Ohio

- BETHKE, R. M. Soybean oilmeal for poultry. Amer. Miller 67: 60.  
March 1939.  
Article with same title appeared in U. S. Egg and Poultry Mag. 45:  
111-112. Feb. 1939.
- BUSHNELL, J. Reasons for the low average yields of potatoes in Ohio.  
Amer. Potato Jour. 16: 67-70. March 1939.
- HOWLETT, F. S. The modification of flower structure by environment  
in varieties of *Lycopersicum esculentum*. Jour. Agr. Research [U. S.]  
58: 79-117. Jan. 15, 1939.

## Oklahoma

- DAHMS, R. G., and FENTON, F. A. Plant breeding and selecting for insect  
resistance. Jour. Econ. Ent. 32: 131-134. Feb. 1939. (R. G. Dahms,  
U. S. Dept. Agr.)
- JOHNSON, G. V., and FENTON, F. A. Control of the flatheaded apple tree  
borer in Oklahoma. Jour. Econ. Ent. 32: 134-142. Feb. 1939. (G. V.  
Johnson, Okla. A. & M. Col.)
- WALTON, R. R., and FENTON, F. A. Notes on *Empusa grylli* in Oklahoma.  
Jour. Econ. Ent. 32: 155-156. Feb. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

## Oregon

- BOUQUET, A. G. B. Sweet corn varieties - old and new. Oreg. State Hort. Soc. Rpt. 30(1938): 37-40. [1939]
- EDWARDS, W. D. Insect pests of small fruits. Oreg. State Hort. Soc. Rpt. 30(1938): 65-68. [1939]
- JONES, S. C. Biology and control of the cherry fruit-fly in the Willamette valley - 1938. Oreg. State Hort. Soc. Rpt. 30(1938): 75-76. [1939]
- MILLER, P. W. A promising new copper spray for the control of walnut blight. Oreg. State Hort. Soc. Rpt. 30(1938): 148-150. [1939]  
(In Coop. with U. S. Dept. Agr.)
- MILLER, P. W. Studies on filbert blight and its control: second report of progress. Oreg. State Hort. Soc. Rpt. 30(1938): 166-171. [1939]  
(In Coop. with U. S. Dept. Agr.)
- PIPER, A. M. Ground-water resources of the Willamette valley, Oregon: a preliminary statement. Oreg. State Hort. Soc. Rpt. 30(1938): 114-116. [1939]
- STEPHENSON, R. E. Humus makes fertilizer effective. Oreg. State Hort. Soc. Rpt. 30(1938): 100-108. [1939]
- THOMPSON, B. G. Progress report on the control of filbert insects. Oreg. State Hort. Soc. Rpt. 30(1938): 141-143. [1939]
- WIEGAND, E. H. The frozen foods industry. Oreg. State Hort. Soc. Rpt. 30(1938): 52-57. [1939]
- WRIGHT, L. D., and HAAG, J. R. The lactation-promoting effect of l-cystine when fed with alfalfa proteins. Jour. Nutrition 17: 263-268. March 10, 1939.

## Pennsylvania

- BEACHLEY, K. G. An instantaneous steam generator for "sterilizing" milk utensils on the farm. Jour. Dairy Sci. 22: 169-177. March 1939.
- FORBES, E. B. Satisfactory substitute for soda lime in respiration calorimetry. Science 89: 252. March 17, 1939.
- GUERRANT, N. B., and RUDY, W. J. Comparative nutritive value of firm and watery egg albumen. Soc. Expt. Biol. and Med. Proc. 40: 166-169. Feb. 1939.
- HILL, J. B. Variations in the spotting character of "pinto" horses. Pa. Acad. Sci. Proc. 12(1938): 33-35. 1938.
- MACK, W. B. Lima bean, beet, green and wax bean variety tests. Canner 28: 13. Feb. 11, 1939.
- OVERHOLTS, L. O. The genus Cordyceps in central Pennsylvania. Pa. Acad. Sci. Proc. 12(1938): 68-74. 1938.
- SEARLE, A. B., CHAPMAN, E. N., and ROSEBERRY, E. D. Co-operative project in textiles conducted by the northeastern experiment stations. Jour. Home Econ. 31: 177-184. March 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Puerto Rico

- BARTLETT, K. A. The dung rolling beetle as a host of a sarcophagid parasite. (Note) Jour. Econ. Ent. 32: 150. Feb. 1939.
- PIANK, H. K. Peregrinator biannulipes Montr., a predator of the bamboo powder-post beetle in Porto Rico. (Note) Jour. Econ. Ent. 32: 151. Feb. 1939.
- VAN VOLKENBERG, H. L. Observations of anaplasmosis as it occurs in Puerto Rico. Vet. Med. 34: 234-236. April 1939.
- WOLCOTT, G. N. Prophanurus alecto Crawford in Porto Rico. (Note) Jour. Econ. Ent. 32: 152-153. Feb. 1939.

Rhode Island

- LEPPER, R., Jr., and ODLAND, T. E. Inheritance of flower color in alfalfa. Jour. Amer. Soc. Agron. 31: 209-216. March 1939.

South Carolina

- MOSER, F. The adaptability of rapid chemical tests for use in determining the nutrient needs of South Carolina soils. Jour. Amer. Soc. Agron. 31: 188-199. March 1939.
- MOSER, F. Quick tests show southern soil needs. Better Crops with Plant Food 23: 11-13, 42-44. Feb. 1939.
- RINGROSE, R. C., and MORGAN, C. L. A study of the effect of green feed upon interior egg quality. Poultry Sci. 18: 125-128. March 1939.

Tennessee

- MARCOVITCH, S. Magnesium oxide as a "corrective" for cryolite sprays. (Note) Jour. Econ. Ent. 32: 153-154. Feb. 1939.
- MARCOVITCH, S., and STANLEY, W. W. Wool grease or degreas as a substitute for mineral oil in sprays. (Note) Jour. Econ. Ent. 32: 154. Feb. 1939.

Texas

- BEACHELL, H. M. Cereal nursery seeders. (Note) Jour. Amer. Soc. Agron. 31: 265-268. March 1939. (In Coop. with U. S. Dept. Agr.)
- DUNLAP, A. A. Phosphate retention by sand in relation to seedling culture. Amer. Jour. Bot. 26: 15-17. Jan. 1939.
- FLETCHER, R. K., and GAINES, J. C. The effect of thrips injury on production in cotton. Jour. Econ. Ent. 32: 78-80. Feb. 1939.
- FRAPS, G. S., and KEMMERER, A. R. Improved method for estimating carotene in feeds. Jour. Assoc. Off. Agr. Chem. 22: 190-195. Feb. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Texas (continued)

- FRIEND, W. H. Sorghum a boon to south Texas agriculture. Texas Farming and Citriculture 15: 10, 18. March 1939.
- MORELAND, R. W., and GAINES, J. C. Insecticide tests for the control of the bollworm in 1936. Jour. Econ. Ent. 32: 104-106. Feb. 1939.  
(R. W. Moreland, U. S. Dept. Agr.)
- SHERWOOD, R. M. The effect of certain mineral salts on the amount and severity of perosis. Poultry Sci. 18: 165-167. March 1939.

## Utah

- GREAVES, J. E., and BRACKEN, A. F. The influence of cropping on the nitrogen-fixing powers of soil. Soil Sci. 47: 201-206. March 1939.
- KNOWLTON, G. F. The asparagus beetle in Utah. (Note) Jour. Econ. Ent. 32: 154-155. Feb. 1939.
- KNOWLTON, G. F., and HARNISTON, F. C. Elm leaf beetle in Utah. (Note) Jour. Econ. Ent. 32: 156. Feb. 1939.

## Vermont

- FRAYER, J. M. The present status of the resazurin test. Short Course Conf. for Dairy Plant Operators and Milk Distributors Papers 17(1938): 5-14. [1939]
- HERREID, E. O. Accounting for butterfat. Short Course for Dairy Plant Operators and Milk Distributors Papers 17(1938): 27-32. [1939]
- WALKER, L. S. [and others] Report of the Committee on definitions of terms and interpretation of results on fertilizers and liming materials. Jour. Assoc. Off. Agr. Chem. 22: 45-46. Feb. 1939.

## Virginia

- PINCKARD, J. A., and BOZOVAISKY, L. The effect of flue-curing on the infectivity of ordinary tobacco mosaic virus (tobacco virus 1). Phytopathology 29: 242-250. March 1939.
- FURVIS, E. R., and BLUME, J. M. The role of green manures in potato production. Amer. Potato Jour. 16: 32-36. Feb. 1939.
- WOODSIDE, A. M. Distribution of codling moth worms on apple trees as influenced by banding. Va. State Hort. Soc., Va. Fruit 27: 22, 24. March 1939.
- ZIMMERLEY, H. H. Fertilizer placement and rapid soil tests. Canner 88: 82, 84. Feb. 25, 1939.

## Washington

- GREENLEAF, C. A., and ISHAM, P. D. Copper in tomato products. Canner 88: 12, 62. Feb. 25, 1939.
- ISHAM, P. D. (With H. R. SMITH) Change in size of peas during processing. Canner 88: 62. Feb. 25, 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Washington (continued)

- LANDIS, P. H. The hop industry, a social and economic problem. Econ. Geogr. 15: 85-94. Jan. 1939.
- SANBORN, N. H., and ISHAM, P. D. Quality improvement studies. Canner 88: 61-62. Feb. 25, 1939.

## West Virginia

- HILL, L. M. A study of suberin and suberized deposits of diseased potato tubers. Phytopathology 29: 274-282. March 1939.

## Wisconsin

- FLAKE, J. C., WECKEL, K. G., and JACKSON, H. C. Studies on the activated flavor of milk. Jour. Dairy Sci. 22: 153-161. March 1939. (J. C. Flake, Univ. Wis.)
- FROKER, R. K. Discussion of "Consumers' incomes and demand for certain perishable farm products," by M. P. Rasmussen. Jour. Farm Econ. 21: 154-155. Feb. 1939.
- HOBSON, A. Discussion of "British Empire trade agreements in relation to trade in farm products between Canada and the United States," by J. E. Lattimer. Jour. Farm Econ. 21: 386-387. Feb. 1939.
- KOHLER, G. O., RANDLE, S. B., ELVEHJEM, C. A., and HART, E. B. Simplified rations for guinea pigs suitable for assay of the grass juice factor. Soc. Expt. Biol. and Med. Proc. 40: 154-157. Feb. 1939.
- MCDANIEL, L. E., WOOLLEY, D. W., and PETERSON, W. H. Growth factors for bacteria. VII. Nutrient requirements of certain butyl-alcohol-producing bacteria. Jour. Bact. 37: 259-268. March 1939.
- MICKELSEN, O., WAISMAN, H. A., and ELVEHJEM, C. A. The distribution of vitamin B<sub>1</sub> (thiamin) in meat and meat products. Jour. Nutrition 17: 269-280. March 10, 1939.
- SCHAARS, M. A. Discussion of "How fast should cooperatives grow?" by H. E. Babcock. Jour. Farm Econ. 21: 95-97. Feb. 1939.
- SEARLS, E. M. Time of fumigation of aphid infested canning peas and resistance of the plants to subsequent infestation. Jour. Econ. Ent. 32: 90-93. Feb. 1939.
- WALKER, J. C. Disease resistant pea varieties. Canner 88: 89. Feb. 25, 1939.
- WALKER, J. C. Use of boron to control internal black spot of beets. Canner 88: 84-85. Feb. 25, 1939.
- WECKEL, K. G. Dichlorofluorescein and potassium chromate as indicators in the argentometric estimation of salt in butter. Jour. Dairy Sci. 22: 163-168. March 1939.
- WEHREWEIN, G. S. Public control of land use in the United States. Jour. Farm Econ. 21: 74-85. Feb. 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1939\*

## Colorado

- ALLEN, A. C. Hog production in Colorado. (Colo. State Col. Ext. Bul. 356-A.) Fort Collins, 1938.
- BEACH, G. A. Improving Colorado home grounds. (Colo. State Col. Ext. Bul. 357-A.) Fort Collins, 1938.

## Georgia

- WESTBROOK, E. C. Cotton culture in Georgia. (Ga. Agr. Col. Ext. Bul. 469.) Athens, 1939.
- FENNE, S. B. Control of vegetable crop diseases in Georgia. (Ga. Agr. Col. Ext. Circ. 276.) Athens, 1938.
- Mimeographed.
- RAGSDALE, E. Hints for Georgia gardeners. (Ga. Agr. Col. Ext. Circ. 280.) Athens, 1939.
- Mimeographed.
- Wild life conservation for 4-H club members. Record book. (Ga. Agr. Col. Ext. Circ. 281.) Athens, 1939.
- Mimeographed.

## Illinois

- PARKS, R. R. Farm electrification and your wiring problems. Ill. Univ. Agr. Ext., 1939. Urbana.

## Indiana

- Forest fires in Indiana. Prepared by Purdue University, Department of Agricultural Extension, Indiana Department of Conservation, Division of Forestry, and a representative of the United States Forest Service. (Purdue Univ. Dept. Agr. Ext. Bul. 233.) Lafayette, 1939.
- The outlook for Indiana agriculture in 1939. Prepared by the Division of Farm Management. Purdue Univ. Dept. Agr. Ext., 1938. Lafayette.

## Iowa

- FITCH, C. L. Home storage of vegetables. (Iowa State Col. Ext. Circ. 249.) Ames, 1938.
- CAINE, A. B. Care and feeding of horses. (Iowa State Col. Ext. Circ. 250.) Ames, 1938.
- STACY, W. H. Tomorrow's community: An outline for community analysis and planning procedure. (Iowa State Col. Ext. Circ. 251.) Ames, 1938.
- First in a series of 11 community planning circulars.

---

\* Prepared in the Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1939  
(continued)

Maine

- SPAULDING, HELEN C. Fitting facts. (Maine Agr. Col. Ext. Bul. 252.) Orono, 1939.  
SPAULDING, HELEN C. Coat making for the homemaker. (Maine Agr. Col. Ext. Bul. 253.) Orono, 1939.  
MINER, B. B., and others. Pullorum disease on the run. (Maine Agr. Col. Ext. Bul. 255.) Orono, 1939.  
Potatoes and soil erosion. (Maine Agr. Col. Ext. Circ. 131.) Orono, 1939.

Massachusetts

- DAVIS, A. M., and SHAW, F. R. Plants of value to Massachusetts bee-keepers. (Mass. State Col. Ext. Spec. Circ. 27.) Amherst, 1938.  
Mimeographed.  
MCKENZIE, M. A. Restoring hurricane-damaged trees. (Mass. State Col. Ext. Spec. Circ. 30.) Amherst, 1939.  
Mimeographed.  
THAYER, C. L. Suggestions for planting and care of hardy bulbs. (Mass. State Col. Ext. Spec. Circ. 42.) Amherst, Mass., 1939.  
Mimeographed.  
BOYD, O. C. Downy mildew of tobacco. (Mass. State Col. Ext. Spec. Circ. 44.) Amherst, 1938.  
Mimeographed.  
WHITE, H. E. Status of the floricultural industry in Massachusetts. (Mass. State Col. Ext. Spec. Circ. 45.) Amherst, 1938.  
Mimeographed.  
TOMLINSON, B. The cultivation of beach plums (*Prunus maritima*) in Massachusetts. (Mass. State Col. Ext. Spec. Circ. 46.) Amherst, 1938.  
Mimeographed.  
DAVIS, A. M. Foundation plantings. (Mass. State Col. Ext. Spec. Circ. 47.) Amherst, 1939.  
Mimeographed.

Michigan

- WEINER, G. F. Producing sugar beets. (Mich. State Col. Ext. Bul. 67, rev.) East Lansing, 1938.  
JEFFERSON, C. H. Arrangement of barn floor plans, plan no. 723-C-11. Dairy barn plan, stock face out. (Mich. State Col. Ext. Bul. 102.) East Lansing, 1938.  
RASMUSSEN, E. J., and others. Supplement to the spraying calendar. (Mich. State Col. Ext. Bul. 154, Sup.) East Lansing, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1939

## Michigan (continued)

MERRIL, T. A. Protecting fruit trees against mice and rabbits. (Mich. State Col. Ext. Bul. 136.) East Lansing, 1939.

## Minnesota

- ANDERSON, P. A. Cutting the beef carcass. (Minn. Univ. Agr. Ext. Folder 39, rev.) University Farm, St. Paul, 1939.
- TORRANCE, J. B. Traction of farm tractors. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 83.) University Farm, St. Paul, 1939.
- TYLER, A. G. Windmills. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 84.) University Farm, St. Paul, 1939.
- JESSUP, O. B. Foreign trade agreements. (Minn. Univ. Agr. Ext. Farm Business Notes No. 194, p. 1-2.) University Farm, St. Paul, 1939.
- DOWELL, A. A., and others. Variations in the cost of locker plants. (Minn. Univ. Agr. Ext. Farm Business Notes no. 195, p. 1-2.) University Farm, St. Paul, 1939.

## Missouri

- HUFF, K. B. Building with rock. (Mo. Agr. Col. Ext. Circ. 398.) Columbia, 1939.
- CLARK, H. W., and TASCHER, W. R. Conserving soil by contour farming. (Mo. Agr. Col. Ext. Circ. 399.) Columbia, 1939.
- Revision of Circ. 365.
- BURCH, J. W. The Agricultural extension service, Missouri College of agriculture; annual report for 1938. (Mo. Agr. Col. Ext. Circ. 400.) Columbia, 1939.

## Montana

- RICHARDSON, JESSIE E., and MAYFIELD, HELEN L. Home canning by safe methods. (Mont. State Col. Ext. Bul. 166.) Bozeman, 1938.
- In collaboration with Montana Agricultural experiment station.
- TULLER, MARGARET H. Simple upholstery methods. (Mont. State Col. Ext. Bul. 167.) Bozeman, 1938.
- HILL, A. J. Buy electrical energy wisely. (Mont. State Col. Ext. Bul. 168.) Bozeman, 1938.
- BINGHAM, G. H. Irrigating field crops in Montana. (Mont. State Col. Ext. Bul. 169.) Bozeman, 1939.
- Reference, p. 20.
- SMITH, GRANCES. Pickles and relishes. (Mont. State Col. Ext. Circ. 96.) Bozeman, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1939

## Montana (continued)

- NELSON, J. A., and TRETSVEN, J. O. Production of quality cream. (Mont. State Col. Ext. Circ. 97.) Bozeman, 1938.
- MILLS, H. B., and MERCER, R. D. The use of tillage methods in grasshopper control. (Mont. State Col. Ext. Circ. 99.) Bozeman, 1938.
- TRETSVEN, J. O. The milk producer's feed guide. (Mont. State Col. Ext. Circ. 100.) Bozeman, 1938.
- BURKE, E. Alkali soils and waters in Montana. (Mont. State Col. Ext. Circ. 101.) Bozeman, 1939.

## Nebraska

- The Nebraska agricultural outlook for 1939. Nebr. Agr. Col. Ext., 1938. Lincoln, 1938.

## New Hampshire

- BARRACLOUGH, K. E. The management of farm woodlands in New Hampshire. (N. H. Univ. Agr. Ext. Bul. 55.) Durham, 1938.
- ACKERMAN, W. T. A stack storage unit for hay. (N. H. Univ. Agr. Ext. Circ. 218.) Durham, 1938.
- BARRACLOUGH, K. E. New Hampshire forest market report, winter 1938-39. (N. H. Univ. Agr. Ext. Circ. 219.) Durham, 1938.

## New York

- TYLER, H. S. Factors affecting labor incomes on New York farms. (N. Y. Agr. Col. (Cornell) Ext. Bul. 401.) Ithaca, 1939.

## North Dakota

- MOORE, F. E. Starting and brooding turkey poults. (N. Dak. Agr. Col. Ext. Circ. 166.) State College Station, Fargo, 1939.

## South Carolina

- NEEDLES, W. C. Garden and truck crop insects. Part 3 of a series on insect pests of South Carolina. (Clemson Agr. Col. (S. C.) Ext. Bul. 102.) Clemson, 1939.
- PHAGAN, C. V. Fix-up the farm home for better living. (Clemson Agr. Col. (S. C.) Ext. Circ. 168.) Clemson, 1939.

-----  
LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MARCH 1939

## South Carolina (continued)

- PRICHARD, B. E. G. Essentials of cotton production: Practical suggestions from five thousand five-acre cotton contest records. (Clemson Agr. Col. (S. C.) Ext. Circ. 169.) Clemson, 1939.
- BRUNER, M. H. Tables showing board feet contents in trees and logs to accompany scale-stick. (Clemson Agr. Col. (S. C.) Ext. Inform. Card 53.) Clemson, 1939.

## Vermont

- CAMPBELL, M. H. Selection of a herd sire. (Vt. Agr. Col. Ext. Brieflet 518.) Burlington, 1939. Mimeographed.  
Reprinted from the "Holstein-Friesian World".
- TARRANT, Lydia Success in making muffins. (Vt. Agr. Col. Ext. Brieflet 519.) Burlington, 1939. Mimeographed.
- BLASBERG, C. H. Spraying recommendations for apples. (Vt. Agr. Col. Ext. Brieflet 520.) Burlington, 1939. Mimeographed.
- BLASBERG, C. H. Growing raspberries in Vermont. (Vt. Agr. Col. Ext. Brieflet 521.) Burlington, 1939. Mimeographed.
- DUNKLEE, D. E. Vegetable and field crop varieties adapted to Vermont. (Vt. Agr. Col. Ext. Brieflet 522.) Burlington, 1939. Mimeographed.
- LOVELAND, E. H. Artificial breeding of dairy cattle. (Vt. Agr. Col. Ext. Brieflet 523.) Burlington, 1939. Mimeographed.

## West Virginia

- FRIANT, R. J. Reorganizing the farm for efficient land use. (W. Va. Agr. Col. Ext. Circ. 322.) Morgantown, 1938.
- HUMPHREYS, GERTRUDE Thrift in the up-to-date community. (W. Va. Agr. Col. Ext. Good Living Ser. VII, Lesson no. 4, Adventures in Community Living.) Morgantown, [1939]

## Wisconsin

- WITZEL, S. A. Wiring the farmstead for electricity. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.] [rev.]) Madison, 1939. Mimeographed.
- Foods and nutrition, 4-H club work. Dinner, project IV. (Wis. Agr. Col. Ext. Spec. Circ., rev.) Madison, 1938.
- What about stabilization of butter prices? (Wis. Agr. Col. Ext. Econ. Inform. for Wis. Farmers v. 10, no. 1.) Madison, 1939.



-----

NOTES ON PERIODICALS

New, Changed and Discontinued

- Boletín de ganadería. Publicado por el Ministerio de la economía nacional, Bogota, Colombia. Frequency and price not stated. 8° il. ano 1, Jan. 1939.
- Boletín platanero y agrícola. Juárez no. 104, Despacho 18, Mexico, D. F. mo. 4° il. ano 1, núm. 1, Sept. 15, 1938. \$3.00 a year.
- Bulletin on the Soviet union. The American Russian Institute for Cultural Relations with the Soviet Union, Inc., 56 West 45th St., New York City. semi-mo. 4° vol. 3, no. 1, Jan. 15, 1938. \$2.00 (including American quarterly on the Soviet Union). Beginning 1938, the Bulletin and the Quarterly replace the Research bulletin on the Soviet union.
- Colorado. Agricultural experiment station, Fort Collins. Colorado farm bulletin. Colorado Experiment station, Fort Collins, Colo. quar. 8° il. vol. 1, no. 1, Jan./Mar. 1939.
- Illinois farmers guide. Central national bank building, Peoria, Ill. mo. f° il. vol. 1, no. 1, Jan. 1939. Price not stated.
- Institute of margarine manufacturers. Monthly letter. The Institute, 1380 National Press Bldg., Washington, D. C. mo. 4° no. 184-186, May-July 1938. Free?
- Pacific coast nurseryman. Portland, Ore. Ceased with vol. 4, no. 2, Apr./May 1938.
- Puerto Rico. University. College of agriculture and mechanic arts. Agricultural extension service. El Heraldo de extension. Servicio de Extensión Agrícola, Universidad de Puerto Rico, Río Piedras, P. R. mo. f° il. vol. 1, no. 1, Jan. 1939. Free.
- The Rhopaloeological magazine. The Rhopaloeological society, Tokio. 8° il. vol. 1, no. 1, May 1936. (vol. 1, 1936, irregular, contains 4 nos, no. 3-4 in 1) Price not given. Mostly Japanese.
- Sisal review and industrial fibres survey. Sisal publications ltd., 18-19, Great St. Helens, London, E. C. 3. mo. 4° il. vol. 3, no. 1, Jan. 1939. An. sub. 13s. 6d., post free.
- Southwestern sports magazine. Discontinued with vol. 2, no. 6, Feb. 1939. Combined March 1939 with Southern sportsman to form Southern sportsman with which is combined the Southwestern sports magazine.
- Suffern, N. Y. School of living. Research division. Homestead bulletin. Ralph Borsodi, director. School of living, Suffern, N. Y. mo. 4° il. no. 4, 1938. \$2.40 a year.
- Sveriges pomologiska forening. Fruktodlaren. Gamla Brogatan 58, Stockholm C. 6 times a year. 8° il. no. 1, 1939.
- Tobacco news; all the news about flue-cured tobacco. Greenville, S. C. Suspended with vol. 1, no. 17, Nov. 16, 1938.
- Turf culture. United States Golf Association, Green Section. P. O. Box 73, Benjamin Franklin Station, Washington, D.C. Frequency not stated. il. 12° vol. 1, no. 1, Jan. 1939. \$4.00 a year.

-----  
SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during March 1939, exclusive of bibliographies\*  
and current issues of serials\*\*

Bureau of Agricultural Economics

- Agricultural economic charts. Supplement. January 1, 1939. March 1939.  
26 p. 1.9 Ec731E
- Agricultural production in 1938 was 5 percent lower than in 1937. March 8,  
1939. 3 p. 1.9 Ec71Agp
- Carlot shipments of fruits and vegetables from stations in the United  
States. Calendar year 1937. February 1939. 71 p. 1.9 Ec741Csf
- The dairy outlook for 1939. By O. C. Stine. 1939. 5 p. (Statement  
made at the annual meeting of the Maryland-Virginia Milk producers'  
association, Washington, D. C., Feb. 6, 1939.) 1.9 Ec752Do
- The Department of agriculture and the Land grant colleges today. Address  
delivered by H. R. Tolley at regional conferences of extension workers  
in Texarkana, Texas, Feb. 6, 1939 and in Knoxville, Tenn., Feb. 9, 1939.  
24 p. 1.9 Ec7Tol
- Disposition of rice. Crop years 1909-1936. By states. March 1939. 15 p.  
1.9 Ec71Dir
- Effect of changing prices upon income to land from cattle and sheep ranch-  
ing, as illustrated by data for Montana, 1910 to 1936. By Marion Claw-  
son. February 1939. 26 p. 1.9 Ec762Efc
- Estimated acreage, yield, and production [of cotton, for various states,  
1928-1937]. North Carolina Cotton. 11 p. South Carolina Cotton. 8 p.  
1.9 Ec71Eac
- Farm-mortgage records [by states]. California, March 1939, 9 p; Missis-  
sippi, March 1939, 9 p; New Mexico, March 1939, 9 p; Washington,  
March 1939, 9 p. 1.9 Ec78Fmr
- Faults, advantages, and possibilities of services authorized by the Smith-  
Doxey act. Washington, 1939. By Carl H. Robinson. 7 p. Address,  
Annual convention, Southern agricultural workers, New Orleans, Feb. 2,  
1939. 1.9 Ec733Ad
- Fewer farmer bankruptcies in 1938. Issued March 20, 1939 (Number of bank-  
ruptcies in the U. S. among farmers compared with total of all bankrupt-  
cies). 5 p. 1.9 Ec78N

---

\* Bibliographies included in general list of bibliographies on page 195.

\*\*For a list of the principal series issued regularly, see Agricultural  
Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF PROCESSED PUBLICATIONS

## Bureau of Agricultural Economics (continued)

- Income parity for agriculture. Pt. 1.- Farm income. Sect. 6. Income from sheep and lambs, wool, and mohair. Calendar years 1909-38. (Preliminary) Washington, March 1939. 61 p. 1.9 Ec7Inp
- Proposed tentative United States standards for grades of frozen peas (not officially approved). February 25, 1939. 4 p. 1.9 Ec75Pfr
- Quality of cotton linters produced in the United States, 1933-37. By Victor R. Fuchs. Issued March 1939. 16 p. 1.9 Ec733Qcl
- Regulations of the Secretary of agriculture governing cotton classification and market news services for organized groups of producers under the act of April 13, 1937. [Washington, 1939] 1 p. Reprinted from Fed. Reg. June 9, 1938, p. 1361 and slightly amended on Mar. 14, 1939. Sect. I of Reg. 2 contains revised language. 1.9 Ec733Reg
- A study of the possibilities of rural zoning as an instrument for improving land use in Hamilton county, Tennessee. Issued by Bureau of agricultural economics, Department of regional planning studies and Department of forestry relations of Tennessee Valley authority, Tennessee State planning commission, and Hamilton county regional planning commission. Knoxville, Feb. 1939. 31 p. 1.9 Ec76Stu
- A survey of quality of selected brands of butter sold in one-pound cartons at retail in New York and Chicago. By Gordon W. Sprague, Gertrude G. Foelsch, and Edward Small. February 1939. 20 p. 1.9 Ec724Sq
- Tentative United States standards for grades of canned grapefruit juice. February 25, 1939. [1939] 6 p. 1.9 Ec792Gj
- Turkeys raised on farms. 1929-1938. Number and value. By regions and states. March 1939. 8 p. 1.9 Ec71Tu

## Bureau of Animal Industry

- Batteries for chickens. Issued Nov. 1934; revised March 1939. 4 p. (A.H.D. no. 10 revised) 1.9 An52Ah
- Poultry specialty clubs. March 1939. 3 p. (A.H.D. no. 12 revised) 1.9 An52Ah
- Report on the 1936 outbreak of infectious equine encephalomyelitis in the United States. By J. R. Mohler. February 15, 1939. 4 p. 1.9 An5Rep



SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Bureau of Biological Survey

- An efficient trap for the fox ranch. By C. F. Bassett. 1939. 5 p.  
(Wildlife Research and Management Leaflet BS-127) Issued by the Section of Fur Resources, Division of Wildlife Research. 1.9 B524W
- A feeder for foxes. By C. F. Bassett. 1939. 3 p. (Wildlife Research and Management Leaflet BS-128) Issued by the Section of Fur Resources, Division of Wildlife Research. 1.9 B524W
- Cooperative wildlife-management research, 1938. 1939. 4 p. (Wildlife Research and Management Leaflet BS-129) Issued by the Section of Wildlife Surveys, Division of Wildlife Research. 1.9 B524W

Bureau of Dairy Industry

- Program of cheese and cheese-byproducts conference. March 30/31, 1939  
[with brief descriptions of the subjects for discussion and demonstration]. 15 p. (BDII-841) 1.9 D14Bd
- Rules for students' national contest in judging dairy products. 1939.  
9 p. 1.9 D14Ru

Extension Service

- Coordination of agricultural programs. By H. W. Hochbaum. 1939. 5 p.  
(Extension service circular no. 302) Talk given at the National county agricultural agents' association meeting, Chicago, Illinois. Dec. 1, 1938. 1.9 Ex892Esc
- 1914 - 1939. A quarter century of extension. Extension service. An anniversary year summary of former 4-H club members attending college. 1939. 6 p. 1.9 Ex191Q
- The seed improvement and certification program. By C. S. Fisher, extension agronomist. March 20, 1939. 2 p. 1.9 Ex892Sic

Farm Security Administration

- The problem of rural housing. By Will W. Alexander. 1939. 11 p.  
Address delivered at the Institute of citizenship, Atlanta, Ga., Feb. 15, 1939. 1.95 Ad6
- The work of the Farm security administration. Mar. 1, 1939. 8 p. 1.95 W89

SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Federal Surplus Commodities Corporation

Proposed plan for distributing surplus agricultural commodities to needy persons through normal wholesale and retail channels of trade.  
March 13, 1939. 20 p. 1.9 Su7P

Foreign Agricultural Service

Imports of fruits and vegetables under quarantine by countries and ports of entry July-June 1937-38. Compiled from the official records of the Bureau of entomology and plant quarantine. March 1939. 13 p 1.9 Ec752F (FSV-120)

Statistical report of the United States Deciduous fruit export season, 1937-1938. Issued March 1939. 27 p. (F.S.A.-452) 1.9 Ec752F

Forest Service

American woods. Cottonwood. By H. S. Betts. Revised Nov. 1938. 10 p.  
American woods, Aspen. By H. S. Betts. Issued January 1939. 8 p.  
1.9 F76Am

Compilation of state laws on forestry for the state of Idaho.  
March 26, 1939; Compilation of state laws on forestry for the state of Washington. Issued by the Division of state cooperation. March 26, 1939. 1.9 F7681C

Foreign woods. Mahogany (Swietenia species) By W. D. Brush. January 1939. 22 p. 1.9 F76Two

Bureau of Plant Industry

Caster beans. By A. F. Sievers. March 1939. 4 p. Issued by the Division of drug and related plants. 1.9 P6991

House plants. By F. L. Mulford. January 1939. 8 p. 1.9 P77Ho

The identification of seeds, generic, specific, and varietal. By Albina F. Husil. June 13, 1938. 4 p. Issued by Division of seed investigations. 1.9 P69122Id

Memorandum to cooperators who plant Asiatic chestnut orchards. March 10, 1939. 6 p. 1.9 P691ic

Results from cooperative wheat varietal experiments in the western region in 1938 with averages for 1931 to 1938. Compiled by C. A. Suneson. Mar. 10, 1939. 43 p. Issued by Division of cereal crops and diseases. 1.9 P6917Res

-----

SELECTED LIST OF PROCESSED PUBLICATIONS

Bureau of Plant Industry (continued)

Results from the uniform bunt nurseries in the western region in 1938, with averages for 1937. By C. S. Holton and C. A. Suneson. February 21, 1939. [3] p. 1.9 P6917Rep

Results of the cooperative uniform comparisons of corn hybrids. 1938. March 10, 1939. 40 p. Issued by the Division of Cereal crops and diseases. 1.9 P6917Coo

[List of] Soil surveys of Pennsylvania. [1939] [3 p.]; [List of] Soil Surveys of Washington. [1939] [3 p.] 1.9 So32

- o - o - o - o - o - o -

LOST BOOKS

The books mentioned below are missing from the Main Library. Will any one who knows where they are please notify the Loan Desk, Main Library, Extension 627:

- American chemical society. Journal, vol. 45 (2 volumes): vol. 49, Jan.-June 1927.
- Hedrick, U. P. History of agriculture in the state of New York. Copy 2.
- Société botanique de France. Mémoires, no. 8-24 (1908-12). Bound in one volume.
- Society of chemical industry. Journal, vol. 51 (Transactions), 1932.

- o - o - o - o - o - o -

CONGRESSES

- Fifth International Grassland Congress, Netherlands, June/July 1940. Secretary: Dr. C. K. van Daalen. Bilthoven, Holland.
- Sixth Pacific Science Congress, Pacific Science Association, Berkeley, Stanford, and San Francisco, California, July 24-August 12, 1939. Secretary-General: Roy E. Clausen, 205 Hilgard Hall, University of California, Berkeley, California.
- Seventh International Congress of Genetics, Edinburgh, Scotland, August 23-30, 1939. General Secretary: Prof. F. A. E. Crew, Institute of Animal Genetics, West Mains Road, Edinburgh, 9.
- Congreso Internacional de Americanistas, XXVII sesion, August 5-15, 1939, Mexico, D. F. Secretario General del Comité Organizador: Prof. Miguel Othón de Mendizabal, Secretaría de Educación Pública, Argentina y González Obregón, México, D. F.

- o - o - o - o - o - o -



A GREAT HORTICULTURAL LIBRARY

An interesting article on the Massachusetts Horticultural Society Library which appeared in *Horticulture* (New England Edition), vol. XVII, no. 5, March 1, 1939, is reprinted here. The note of the Editor of *Horticulture*, which preceded the article, is also included.

["Editor's Note:- The fact has been emphasized that many members of the Massachusetts Horticultural Society know little about the society's various activities and may not, indeed, realize the extensive range which these activities have assumed. For that reason, a series of articles will be published describing the different departments at Horticultural Hall and telling something about the work in which each department is engaged. This, the first article, deals with the library, which is said by those who have traveled widely to be the largest and most important horticultural library in the world. This library is open to the public every week day, but only members are permitted to borrow books. Many of the books circulated are sent by mail and go, in some instances, to states as far away as Florida. It is hoped that members of the society will make a point of visiting the library in order to become acquainted with the work which it is doing and the privileges which it presents."]

"The original library is kept intact in a separate case in the trustees' room. It includes those books listed in the first catalogue of the library, which was published in the *New England Farmer*, August 10, 1831, and it is made up of about 130 volumes many of them gifts of the charter members and outstanding horticulturists of the time.

"In this room, under lock and key, are kept the valuable Americana (books published in this country prior to 1825) within the scope of the society's collection. There, too, will be found the horticultural and botanical books of all countries, published before 1800. Those which appeared before the time of Linnaeus are kept in a special section and include the important herbals of the 17th and early 18th centuries.

"The travels of the early botanists, their descriptions of the plants they found, early theories of landscape design and agricultural and horticultural practices to be found in these early writings of the first gardeners and botanists of many countries prove of great value to those doing research on the history of gardening as well as the history of plants.

"In a closed stack separate from the main reading room are kept those books of the 19th century which generally do not circulate but are often consulted for information by technical research workers and those gardeners who are interested in searching for the authentic or curious bits of information which may be found in some of the gardening literature of that period.

"The main body of the general collection of books in the library includes both popular and professional books on gardening in all its phases. Besides a large group of books on gardening there are many sections of books on the culture of special groups of plants - roses, bulbs, lilies, greenhouse plants, rock garden plants, and many others.

A GREAT HORTICULTURAL LIBRARY  
(continued)

"Insects and diseases, soils and fertilizers, economic plants and cultivated plants are covered in scientific treatises as well as in modern popular writings. For those whose interests are in vegetables and fruits, there is an excellent supply of literature. The fruit collection is one of the best and includes many of those books of the 17th, 18th and 19th centuries which were very important in contributing knowledge and reporting experiences, thus forming the foundation of today's research in the cultivation of fruits.

"A garden would be a poor mixture of this and that if a plan were not made before planting. The collection of books on garden design and gardens of other countries in the library provides much help and many suggestions for the professional landscape architect as well as for the home gardener who is making his own plan. And for the ladies who are interested in design and from the aspect of flower arrangement there are books on Japanese as well as on the American principles underlying that art.

"Although the main interest is horticulture, such a library as this would not be complete without a great deal of material on botany. The interesting 'Floras' of many countries are most valuable to members doing research on the plants of many lands, and their introduction into cultivation in our own gardens and elsewhere. Many of these works run into numerous volumes of text and plates, which are helpful in checking specimens that come in for identification or providing some artist with the correct aspect of a plant he is using in an illustration. Others are used by those who intend to travel in the region and want to know something of the plants there before they start on their journey.

"For those who can travel only in their reading, there are the writings of the plant explorers of many generations and the fascinating tales which lurk in the stories of their lives and their work.

"The 25,000 volumes of 'the best of the world's garden books,' although they make up the greater part of the assets of the Library, are by no means the limits of its resources. Our file of horticultural periodicals is an unusually complete one. The gallery shelves are lined with bound volumes of these publications covering more than 100 years and from all parts of the world.

"On the racks in the reading room will be found current numbers of scientific and popular garden magazines from England, France, Germany, Italy, and other countries as well as the best to be found here. Some of these are exchanged for our own publications; some come by subscription; and some are gifts.

"The files of these periodicals, many of them with excellent colored plates, are very valuable to botanists and horticulturists for checking descriptions of plants, for obtaining historical data and cultural notes. Printed indexes of various sorts provide the necessary key to unlock the information contained in many periodicals and they are supplemented by our own typewritten card index to plant material and articles found in some of the current periodicals not covered by official indexes. Other 'library reference tools' include the indexes to the many document series published by the government, invaluable in locating material, especially that from the Department of Agriculture.



A GREAT HORTICULTURAL LIBRARY  
(continued)

"Another valuable asset of the library is its collection of nursery catalogues going back a century or more and added to each season. From Europe, Asia and Africa as well as the western continent they come each year, in different shapes and sizes - some veritable books of information beautifully illustrated, others brief listings of seeds from distant corners of the earth. Old ones are used to check varieties and species of plants; new ones are constantly thumbed over by those searching for the ordinary or unusual. One of the questions most often answered by the staff is 'Where can I buy so - and so -?'

"Another question which comes to the library, especially during the winter months when the garden clubs are having their indoor meetings is 'What list of books or articles are there on this - or that -?' Bibliographies on many subjects are being prepared constantly, and for those members who cannot come into the library, packages of books are selected to fill needs and sent out by mail. Other garden clubs avail themselves of the privilege of coming to the library for their meeting and listening to a lecture by the librarian.

"At times such as this and at other times during the year when shows are on and for special commemorative events, the show cases in the library are filled with a pertinent exhibit of unusually rare material or books illustrating particular subjects. At other times the cases may contain an exhibit of garden club material from all the states, of especial interest to the garden clubs themselves, for the library is collecting important publications of garden club organizations throughout the country. Other clubs and organizations consult such publications for program ideas, and for general information.

"As the development of horticulture continues, groups interested in particular plants or groups of plants have developed and formed their own organizations. These special plant societies make use of the committee rooms for their meetings and the library as well as the society as a whole cooperate with them in every way to foster their enthusiasm and interest and the general interest of all who love plants.

"Naturally, those working with this horticultural collection must have a broad background in the field as well as understanding of library techniques. Miss Dorothy Marks, the librarian, is a graduate of Radcliffe, with a special course in library training taken at Simmons. Her assistants are Miss Brenda Newton, landscape architect, graduate of Simmons and Lowthorpe School, and Miss Elizabeth T. Blossom, whose training at Smith College included both botany and horticulture, and who has taught these subjects in college, high school and summer camps.

"The library is open to the public every weekday from 9 a. m. until 5 p. m. except that it closes at 1 p. m. on Saturdays in the summer. Questions may be sent by mail and transmitted by telephone. 'Service' is the library's motto and it is always given with a smile."



PROPOSED REORGANIZATION OF AGRICULTURAL LIBRARIES SECTION  
American Library Association

The Agricultural Libraries Section of the A. L. A. was organized in 1911 and has never had an official membership list. The Reorganization Committee of the Section has tried to reach a reasonably comprehensive number of A. L. A. members who might have a continuing interest in the section by sending a questionnaire to more than 300 members of the staffs of land-grant college libraries, to more than 40 members of the staffs of the U. S. Department of Agriculture libraries and to a selected list of libraries. Many librarians in the land-grant college field who are not strictly agricultural librarians have been canvassed, although more than sixty per cent returns from this group were not expected. Because returns after the first month fell below expectancy, second calls have been mailed out. Replies will be much appreciated.

There are certain border-line libraries where the staffs have not been canvassed by the committee. There are those who may have changed positions since the latest directories have been printed. If you did not receive a questionnaire and are interested, please write for one to the undersigned.

Jackson E. Towne, Chairman,  
Reorganization Committee,  
Agricultural Libraries Section, A. L. A.  
(Michigan State College, East Lansing, Michigan)

- o - o - o - o - o -



611a  
p. 4

# AGRICULTURAL LIBRARY NOTES

## CONTENTS

Vol. 14

May 1939

No. 5

Principal Library Accessions.....	237
Bibliographies and Lists.....	248
The Bibliographic Index.....	249
Translations received in the Library .....	250
Congresses .....	252
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	253
Notes on Periodicals.....	264
Miscellany.....	265
Articles by State Agricultural Experiment Station Workers.....	266
List of State Extension Publications.....	279
Selected List of Processed Publications of the U. S. Department of Agriculture.....	285
The Journal of the Ministry of Agriculture, London.....	290
Journals or Micro-Films?.....	291
Iowa State College Press.....	293

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.





PRINCIPAL LIBRARY ACCESSIONS\*

Biography

- DEFRIES, A. D. Sheep and turnips; being the life and times of Arthur Young, F.R.S., first secretary to the Board of agriculture. London, Methuen, 1938. 120 Y82S

Biology

- ALLEN, E., ed. Sex and internal secretions. Ed. 2. Baltimore, Williams & Wilkins, 1939. 442 A152 Ed. 2
- HJORT, J. The human value of biology. Cambridge, Mass., Harvard university press, 1938. 442 H64
- WHEELER, W. M. Essays in philosophical biology. Cambridge, Harvard university press, 1939. 442 W56

Botany

- CORREVON, H. Champs et bois fleuris. El. 2. Neuchâtel, 1937. 459 C81C Ed.2
- CORREVON, H. Fleurs des eaux et des marais. Neuchâtel, Delachaux & Niestlé, 1938. 459 C81F1
- HECTOR, J. M. Introduction to the botany of field crops, Johannesburg, South Africa Central news agency, ltd. [1938?] (South African agricultural series, v. 16) 452.8 H35
- MADISON, H. L. Wild flowers of Ohio. Cleveland, Ohio, 1938. (Cleveland museum of natural history. Pocket natural history no. 7. Botanical series no. 1) 410.9 C59 no. 7
- PRÉVOST, B. Memoir on the immediate cause of bunt or smut of wheat, and of several other diseases of plants, and on preventives of bunt. Translated from the French by G. W. Keitt. (Paris, Bernard, 1807) Menasha, Wis., American phytopathological society, 1939. (Phytopathological classics, no. 6) 464.02 P92A
- TONI, G. de. Diagnoses algarum novarum post Sylloges editionem descriptarum. v. 1, pt. 1-2. Brixiae, typis Morcellianis sumptibus auctoris, 1937. 461.4 T612D

Chemistry

- BERL, E., ed. Chemische ingenieur-technik. Berlin, Springer, 1935. 388 B452
- BURTON, E. F. The physical properties of colloidal solutions. Ed. 3. New York, Longmans, 1938. (Monographs on physics, ed. by Sir J. J. Thomson and F. Horton) 386 B95
- FINDLAY, A. The phase rule and its applications. Ed. 8. New York, Longmans, Green, 1938. (Textbooks on physical chemistry) 386 F49P Ed. 8
- FUCHSS, H. Die bleivergiftungsgefahr durch leitungswasser. Dresden, Steinkopff, 1938. 391 F952

---

\* Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS

## Chemistry (continued)

- HAUSER, E. A. Colloidal phenomena. New York, McGraw-Hill, 1939. 386 H292  
HEMPEL, E. H. The economics of chemical industries. New York, Wiley, 1939.  
388 H37  
HIND, H. L. Brewing science and practice. v. 1. New York, Wiley, 1938.  
390.1 H58  
HOLMES, E. The metabolism of living tissues. Cambridge, Eng., University  
press, 1937. 386.2 H732  
MACINNES, D. A. The principles of electrochemistry. New York, Reinhold,  
1939. 386 M18  
SCHWALBE, C. G. Die chemie der cellulose unter besonderer berücksichtigung  
der spinnfaser- und zellstoff-industrien. Ed. 2. Hälfte 1, abt. 1.  
Berlin, Borntraeger, 1938. 387.1 Sch92 Ed. 2

## Commerce

- COPLAND, D. B. and JAMES, C. V. Australian trade policy. Australia, Angus  
and Robertson, 1937. 286 C79  
HEILPERIN, H. A. The monetary aspect of the raw materials problem and the  
revival of international trade. Paris, International institute of intel-  
lectual cooperation, League of Nations, 1938. 286 H362  
MILLER, C. A. Interstate commerce commission law and procedure. Washington,  
National law book company, 1939. 289 M612

## Cooperation

- CZECHOSLOVAK REPUBLIC. STÁTNÍ ÚRAD STATISTICKÝ. Coopératives autres que  
les coopératives de crédit dans la République tchécoslovaque en 1930.  
Prague, 1935. (La Statistique tchécoslovaque, v. 108. X.série (Coop-  
ératives autres que les coopératives de crédit, 2.livr.)) 280.2 C99C  
PALESTINE. REGISTRAR OF COOPERATIVE SOCIETIES. Cooperative societies in  
Palestine. Jerusalem, Government printing press, 1938. 280.2 P172

## Cosmetics

- LÁZÁR, C. Manual of cosmetics. Cleveland, Sherwood, 1938. A revision  
and translation of the first Hungarian edition (1932). 449.2 L45

## Dairying, Dairy Products

- DINKHAUSER, F. Massnahmen zur steigerung der deutschen milchfetter-  
zeugung. Berlin, 1937. (Germany, Reichsnährstand, Arbeiten. bd. 32)  
44 D61  
SIMON, A. L. A catechism concerning cheeses. London, Wine and food  
society, 1936. 44 S14

## Description and Travel

- FEDERAL WRITERS' PROJECT. CALIFORNIA. Death Valley, a guide. Boston,  
Houghton Mifflin, 1939. (American guide series) 125 F312Ca



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Directories

- INTERNATIONAL HORTICULTURAL CONGRESS. 12th, Berlin, 1938. Gartenbau-  
organisationen und -fachzeitschriften der welt. Berlin, Reichsnährstand  
verlags-ges. m.b.h., 1938. 225 In992
- NORTH CAROLINA. DEPT. OF CONSERVATION AND DEVELOPMENT. DIVISION OF COMMERCE  
AND INDUSTRY. Industrial directory and reference book of the state of  
North Carolina. Durham, Christian printing company, 1938. 225 N817

Economics

- ARKANSAS. GEOLOGICAL SURVEY. Wealth of Arkansas, by G. C. Branner.  
Little Rock, 1939. 280.009 Ar42
- ASCOLI, M. and FEILER, A. Fascism for whom? New York, Norton, 1938.  
280 As2E
- BAILEY, S. K. Roosevelt and his new deal. London, Fact ltd. 1938.  
(Fact, no. 19, Oct. 1938) 280.12 B15
- BURKE, C. E. Meritism, the middle road. Los Angeles, Calif., Parker &  
Baird, 1939. 280.12 B91
- DOLLARD, J. Caste and class in a Southern town. New Haven, Yale univer-  
sity press, 1937. (Publications of the Institute of human relations,  
Yale university) 280.002 D69
- DOUGLAS, P. H. Social security in the United States. New York, McGraw-  
Hill, 1939. 284.6 D74 Ed.2
- FARM EQUIPMENT INSTITUTE. Price comparisons, 1913-1937. Chicago, 1938.  
284.3 F222
- GRADUATE INSTITUTE OF INTERNATIONAL STUDIES. La crise mondiale. Ed. 2  
Quirich, Société anonyme, 1939. 280 G75Wc
- KANSAS. LEGISLATIVE COUNCIL. RESEARCH DEPT. Legislative functions of  
administrative agencies. Topeka, 1938. (Publication no. 84)  
Processed. 280.029 K1322L
- MAXEY, C. C. Political philosophies. New York, Macmillan, 1938. 280 M454
- NATIONAL ASSOCIATION OF MANUFACTURERS OF THE UNITED STATES OF AMERICA.  
Making the annual report speak for industry, comp. by J. P. Selvage and  
M. M. Lee. New York, McGraw-Hill, 1938. 280 M218.
- THORP, W. L., ed. Economic problems in a changing world. By E. Berman and  
others. New York, Farrar & Rinehart, 1939. 280.12 T39
- VAN KIRK, W. W. The Lima conference. New York, National peace conference,  
1939. 280.9 V32

Economics, Agricultural

- ADDISON, C. baron. A policy for British agriculture. London, Gollancz,  
1939. 281.171 Ad2P
- CONGRESS OF INDUSTRY AND RAW MATERIALS. 1st, Sioux City, Iowa, 1938.  
Transcript of proceedings. Sioux City, Raw materials national council,  
1938. 281.9 C765
- MISSISSIPPI. INDUSTRIAL COMMISSION. The realm of King chemurgy. Jack-  
son [1939?] 281.045 M69

PRINCIPAL LIBRARY ACCESSIONS

## Economics, Agricultural (continued)

- SENN, E. La défense du coton et la balance commerciale américaine d'un point de vue français. Le Havre, Impr. de la Bourse, [1939?]. 281.372 Se5
- SIOUX CITY COMMITTEE FOR FARM LEGISLATION. Lost - 217 billion dollars. The key to recovery and enduring prosperity - put 50,000,000 acres and 5,000,000 men to work! Sioux City, Ia. [1937?] 281.12 Si7
- TAYLOR, A. E. The world of wheat. An address delivered before Kansas Agricultural convention, January 13, 1939. [n.p., 1939] Processed. 281.359 T21

## Education

- BOYNTON, A. M. and KIRKPATRICK, E. L. Agricultural extension work with older rural youth. Washington, American youth commission, American council on education, 1938. Processed. 275.2 B71
- NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. EDUCATIONAL POLICIES COMMISSION. The purposes of education in American democracy. Washington, 1938. 275 N2113P
- PATERSON, D. G. and others. Student guidance techniques. New York, McGraw-Hill, 1938. 275 P27

## Electricity

- McFARLAND, T. C. Direct-current machinery. Scranton, International textbook co., 1938. (International texts in electrical engineering) 335 M16
- WOODRUFF, L. F. Principles of electric power transmission. Ed.2. New York, Wiley, 1938. 335 W862

## Engineering

- COMPACT covering flood control in the Connecticut river basin. Approved by representatives of Connecticut, Massachusetts, Vermont, and New Hampshire. Manchester, N.H., Printed by Granite state press, 1937. 290 C732
- INTERNATIONAL CONGRESS ON LARGE DAMS. 2nd, Washington, D. C., 1936. Transactions. Washington, U. S. Govt. print. off., 1938-39. 290.9 In88002
- JENNINGS, R. F. General shop gas and A. C. arc welding and cutting. Bloomington, McKnight & McKnight, 1937. 291 J442
- MOORE, H. F. and others. Textbook of the materials of engineering. Ed.5. New York, McGraw-Hill, 1936. 290 M782 Ed.5
- OVERTON, P. Forced air heating. Ed.2. Chicago, Keeney publishing co., 1937. 291 Ov2 Ed.2
- PITTSBURGH TESTING LABORATORY. INDUSTRIAL RESEARCH DIVISION. Report upon a survey of highway guard manufactured by Pittsburgh steel company and installed in the vicinity of Pittsburgh, Pa. [Pittsburgh?, 1938?] Processed. 290 P684R

PRINCIPAL LIBRARY ACCESSIONS

## Engineering (continued)

- SCHWAMB, P. and others. Elements of mechanism. Ed. 5. New York, Wiley, 1938. 291 Sch9 Ed.5
- TAYLOR, C. F. and TAYLOR, E. S. The internal combustion engine. Scranton, International textbook company, 1938. (International texts in mechanical engineering.) 291 T21
- WORLD POWER CONFERENCE. 3d, Washington, D. C., 1936. Transactions. The national power economy. Washington, U. S. Govt. print. off., 1938. 290.9 W89 1936

## Entomology

- DUNCAN, C. D. Insects as enemies and benefactors of man. Sacramento, California state Department of education, 1937. (California. Committee on science guide for elementary schools. Science guide for elementary schools. Science guide for elementary schools, v. 4, no. 3) 423 D912
- FROHAWK, F. W. Varieties of British butterflies. London, Ward, Lock, 1938. 430 F923V
- FUKUI-KEN, JAPAN. SOCIETY OF NATURAL HISTORY. Genshoku Fujui-Ken knochu zufu (Original color illustrations of insects collected in Fukui prefecture). Tokyo, 1938. Japanese, with Latin scientific names. 422.6 F95

## Experimentation

- BONN. INSTITUT FÜR BODEN- UND PFLANZENBAULEHRE. UNIVERSITÄT. Dikopshof - Rengen - Marhof. Bonn, Leopold, 1938. 105.8 B643

## Fertilizers

- CONGRÈS INTERNATIONAL DES ENGRAIS CHIMIQUES. 1st, Rome, 1938. Bulletin quotidien. [Rome?] 1938. Mimeographed. 57.09 C76001B
- CONGRÈS INTERNATIONAL DES ENGRAIS CHIMIQUES. 1st, Rome, 1938. Liste des participants. Rome, Fédération internationale des techniciens agronomes, 1938. 57.09 C76001L
- CONGRÈS INTERNATIONAL DES ENGRAIS CHIMIQUES. 1st, Rome, 1938. Liste des rapports généraux et nationaux et des communications. Roma, Arte stamps, 1938. 57.09 C76001Li
- CONGRÈS INTERNATIONAL DES ENGRAIS CHIMIQUES. 1st, Rome, 1938. Rapports nationaux [et communications générales] Roma, Soc. An. "Arte della stampa", 1938. German, English, Spanish, French, and Italian. 57.09 C76001R
- GUSTAFSON, A. F. Handbook of fertilizers. Ed. 3. New York, Orange Judd, 1939. 57 G97 Ed.3



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Finance

- AMERICAN BANKERS ASSOCIATION. RESEARCH COUNCIL. The earning power of banks. New York, 1939. 284 Am324
- KANSAS. LEGISLATIVE COUNCIL. RESEARCH DEPT. State financial administration in Kansas; preliminary report. Prepared for Committee on municipal government and fees and salaries. Topeka, 1938. (Publication no. 81) 284 K133S
- MANSFIELD, H. C. The comptroller general. New Haven, Yale university press, 1939. 284 M31
- NEW YORK (STATE). INSURANCE DEPARTMENT. A mortgage program for New York State. By L. H. Pink. [Albany?] 1938. 284 N4896
- PHELPS, C. W. A community credit control policy. Chicago, Household finance corporation, Department of research, 1938. 284 P51C

Flowers, Floriculture

- BAILEY, L. H. The garden of larkspurs. New York, MacMillan, 1939. 96.527 B15
- MASON, E. and WAAS, E. Miniature flower arrangement. Jacksonville, Fla., Little flower studio [1938?] 96.03 M38
- ROYAL HORTICULTURAL SOCIETY, London. Classified list of daffodil names, 1938. London, 1938. 96.47 R81 1938

Food, Cookery

- AMERICAN HOME ECONOMICS ASSOCIATION. SOCIAL WELFARE AND PUBLIC HEALTH DEPT. Adequate family food allowances and how to calculate them. New York, Family welfare association of America, 1939. Processed. 389.1 Am3223
- EINARSON, L. and RINGSTED, A. Effect of chronic vitamin E deficiency on the nervous system and the skeletal musculature in adult rats. Copenhagen, Levin & Munksgaard, 1938. Translated from Danish by Hans Andersen, M.D. 389.1 Ei62
- ORR, SIR J. B. Food, health and income. Ed. 2. London, Macmillan, 1937. 389.1 Or72F Ed.2
- REDINGTON, B. O. Prudence Penny's cookbook. New York, Prentice-Hall, inc., 1939. 389.25 R244

Forestry

- BEHM, H. W. Die ernte des waldes, holz im kultur- und wirtschaftsleben der gegenwart. Stuttgart, Kosmos, 1938. (Kosmos-bändchen, nr.153) 99.75 B39
- LOWER, A. R. M. The North American assault on the Canadian forest, a history of the lumber trade between Canada and the United States with studies of the Forestry industries of British Columbia, by W. A. Carrothers and of the Forest influences in the maritime provinces, by S. A. Saunders. Toronto, Ryerson press, 1938. [Carnegie endowment for international peace. Division of economics and history. The relations of Canada and the United States] 99.76 L95

-----  
PRINCIPAL LIBRARY ACCESSIONS

Forestry (continued)

MAUGHAN, W., ed. A guide to forestry activities in North Carolina, South Carolina, and Tennessee. Asheville, N.C. Appalachian section, Society of American foresters, 1939. 99.61 M44

Geography, Economic

SCHEIDL, L. G. Die Kulturlandschaft alt-Japans. Tokio, Die Japanisch-Österreichische Gesellschaft (Nichi-oh kyokai), 1937. 278.183 Sch2

Home Economics

CONSUMERS' LEAGUE OF CONNECTICUT. A standard budget for women workers in Connecticut. Jeanette Studley. Hartford, 1938. 321 C762

POLLARD, L. B. Adult education in homemaking. New York, Wiley, 1939. 321 P76

WHITMAN, R. P. First aid for the ailing house. Ed. 2. New York, McGraw-Hill, 1938. 323 W59 Ed.2

Housing

NEW YORK BUILDING CONGRESS, inc. LAND UTILIZATION COMMITTEE. Problems affecting housing. New York, 1938. 296.2 N4822

SCOTTISH HOUSING ADVISORY COMMITTEE. Report on rehousing of aged persons. Presented by the secretary of state for Scotland to Parliament. Edinburgh, H. M. Stationery off., 1938. (Gt. Brit. Parliament. Papers by command, Cmd. 5798) 296.2 Sco82R

Hurricane

GREENE, L. R., pub. The hurricane, Sept. 21, 1938. Westerly, Rhode Island and vicinity - historical and pictorial. Westerly, R.I., L. R. Greene, 1938. 340 G83

Hydroponics

SAVIT, J. Manna via science. Chicago, 1938. 90.15 Sa9

Marketing

GT. BRIT. COMMISSION ON THE MARKETING OF WEST AFRICAN COCOA. Report. London, H.M. Stationery off., 1938. (Parliament, Papers by command, Cmd. 5845) 280.368 G792

GT. BRIT. MILK MARKETING BOARD. Milk marketing scheme; five years' review, 1933-1938. London [1939?] 280.3449 G79M

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Mathematics

- BURINGTON, R. S. comp. Handbook of mathematical tables and formulas. Sandusky, O., Handbook publishers, inc., 1937. 325 B912 1937  
REDDICK, H. W. and MILLER, F. H. Advanced mathematics for engineers. New York, Wiley, 1938. 325 R24

Meat Industry and Trade

- BENTHLIN, F. Der fleischermeister, unter mitwirkung des Reichsinnungsverbandes des fleischerhandwerks. Berlin, Holzmann, 1938. 50 B44

Medicine

- BURKE, R. M. A historical chronology of tuberculosis. Springfield, Ill., Thomas, 1938. 448 B912  
GOLDSMITH, W. M. Recent advances in dermatology. Philadelphia, Blackiston, 1936. (The recent advance series) 448 G57  
OSGOOD, E. E. and ASHWORTH, C. M. Atlas of hematology. San Francisco, Stacey, 1937. 448 Os3  
PETER BENT BRIGHAM HOSPITAL, Boston. Precedent book; medical service. Boston [1938?] Mimeographed. 448 P443  
REMLINGER, P. and BAILLY, J. Etudes sur la rage. Paris, Masson, 1938. (monographies de l'Institut Pasteur) 448 R28  
SAYE, L. La tuberculose pulmonaire chez les sujets apparemment sains et la vaccination anti-tuberculeuse Paris, Masson, 1938. (Monographies de l'Institut Pasteur) 448 Sa92  
SCHMIDT, H. and PETER, F. M. Advances in the therapeutics of antimony. Leipzig, Thieme, 1938. 448 Sch55A

Pharmacy

- INTERNATIONAL CONGRESS OF PHARMACY. 12th, Brussels, 1935. Comptes rendus; rapports. Bruxelles, Lesigne [1935?] 396.9 In82 12th

Physiology

- INTERNATIONAL PHYSIOLOGICAL CONGRESS. 16th, Zürich, 1938. Kongressbericht. Hrsg. von der Freien vereinigung schweiz. physiologen. Basel, Kahlhepp, 1938. German, French, Italian and English. 444.9 In8016  
MACLEOD, J. J. R. Macleod's physiology in modern medicine, ed. by Philip Bard, and others. Ed. 8. St. Louis, Mosby, 1938. 447 M22 Ed.8

Planning and Planning Board Publications

- CHAPIN, F. S. jr. Report on improvements to be built from the income of the George Robert White fund. Boston, 1937. Mimeographed. 98.5 C36



PRINCIPAL LIBRARY ACCESSIONS

## Planning and Planning Board Publications (continued)

- GT. BRIT. MINISTRY OF HEALTH. TOWN AND COUNTRY PLANNING ADVISORY COMMITTEE.  
Report on the preservation of the countryside, 1938. London, H.M.  
Stationery off., 1938. 98.5 G7932
- KANSAS CITY, Mo. CHAMBER OF COMMERCE. Where these rocky bluffs meet;  
including the story of the Kansas City ten-year plan. Kansas City, 1938.  
98.5 K132
- MISSISSIPPI. STATE PLANNING COMMISSION. Tentative final report of the  
park, parkway, and recreational-area study, Mississippi, January 1,  
1938. Jackson, 1938. Processed. 280.7 M692T
- MUMFORD, L. Regional planning in the Pacific northwest. Portland, Ore.,  
Northwest regional council, 1939. 280.7 N8199
- PULASKI CO., Ark. PLANNING BOARD. Preliminary report of the Pulaski  
county planning board, December 1938. Little Rock, 1938. Processed.  
280.7 P96

## Recreation

- SMITH, C. F. Games and recreational methods for clubs, camps and scouts.  
New York, Dodd, Mead, 1937. 280.6 Sm5 1937

## Research

- COOPERATION IN RESEARCH, by staff members and research associates of the  
Carnegie institution of Washington. Washington, 1938. (Carnegie  
institution of Washington. Publication no. 501) 330 C78
- MAGYAR TERMÉSZETTUDOMÁNYI KUTATÁS ELŐMOZDÍTÁSÁRA ALAKULT SZÉCHENYI TUDO-  
MÁNYOS TÁRSASÁG. Report on the work of the Széchenyi scientific society  
founded for the promotion of research in natural sciences in Hungary.  
Budapest, 1937. 510 B852

## Roads

- GIGLI, G. C. Strade imperiali. Milano, Mondadori, 1938. 288 G36
- OHIO. BOARD OF INQUIRY. A report to the Honorable Martin L. Davey,  
governor of Ohio, on the Ohio Department of highways. Columbus, 1938.  
Lithoprinted. 288 Oh33
- VAN WAGONER, M. D. "Superhighways ahead". Thirty-sixth annual convention  
of the American road builders' association. San Francisco, 1939. Pro-  
cessed. 288 V38

## Safety

- BOWMAN, E. C. and BOSTON, P. F. Living safely. New York, Macmillan, 1938.  
449 B68

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

## Science

MERRIAM, J. C. Published papers and addresses of John Campbell Merriam. v. 1-3. Washington, 1938. (Carnegie institution of Washington, Publication no. 500) 145 M55

## Statistics

EVANS, W. SANFORD, STATISTICAL SERVICE. Argentine corn map - world statistics. Winnipeg, Canada, 1939. 255.1 Ev1Ac  
GOULDEN, C. H. Methods of statistical analysis. New York, Wiley, 1939. 251 G73 1939  
MEXICO. DIRECCIÓN DE ESTADÍSTICA. Primer censo agrícola-ganadero 1930. v. 1. Mexico, Talleres graficos de la nacion, 1936. 254.5 M579Cr

## Taxation

AMERICAN INSTITUTE OF REAL ESTATE APPRAISERS. EDUCATION AND RESEARCH COMMITTEE. Appraisal terminology. Ed. 2. [Milwaukee?] 1938. 284.5 Am352 Ed.2  
HOWARD, A. An appeal to common sense; a sane solution of the farm problem - the taxation dilemma and the relief situation. St. Paul, 1939. 284.5 H832  
ILLINOIS. TAX COMMISSION. Illinois assessors' manual. Personal property, 1938. [Springfield?] 1938. 284.5 Il63 1938  
MICHIGAN. TAX STUDY COMMISSION. Staff study; the Michigan tax system. By L. D. Woodworth. Detroit, 1939. Processed. 284.5 M584S  
NEW YORK (City) TAX COMMISSION. Knowing the Tax department and the Tax commission of the city of New York. Ed. 2. New York, 1938. 284.5 N4883 Ed.2

## Technology

CURTIS, H. P. The testing of yarns and fabrics for manufacturers, warehousemen and operatives, also for drapers, laundrymen and clothiers. Ed. 3. London, Pitman, 1938. 304 C94T Ed.3  
GLYCO PRODUCTS CO., inc. Glyco cosmetic manual. New York, 1938. 308 G52  
GT. BRIT. BOARD OF TRADE. Proposals for legislation on the reorganisation of the cotton industry. London, H.M. Stationery off., 1939. (Parliament. Papers by command. Cmd. 5935) 304 G793P  
RIVISE, C. W. and CAESAR, A. D. Patentability and validity. Charlottesville, Va., Michie, 1936. 311 R52P

## Traffic, Transportation

GT. BRIT. PARLIAMENT. HOUSE OF LORDS. SELECT COMMITTEE ON THE PREVENTION OF ROAD ACCIDENTS. Report. London, H.M. Stationery off., 1938. (Parliament, 1938. H. of L. Papers and bills. 35, H.L. 192) 289.4 G7942

PRINCIPAL LIBRARY ACCESSIONS

## Traffic, Transportation (continued)

- LONDON. COUNTY COUNCIL. EDUCATION DEPT. Road safety and the London child. London, 1938. (No.3343) 289.6 L342
- OAKLAND, Cal. STREET DEPT. Report of Oakland traffic survey, WPA project no. 5577, 1936-1937. [Oakland? 1937?] Processed. 289.6 Oa4
- STOKES, A. C. The Oster system of traffic control. Ogden, Utah, Woody, 1938. 289.6 St6
- VERMONT. STATE HIGHWAY DEPT. Preliminary report of the Vermont state-wide highway planning survey, by the Vermont State highway department in cooperation with the United States Department of agriculture, Bureau of public roads. [Montpelier?] 1938. 289.62 V59

## Veterinary Medicine

- LESLIE, A. Diseases of breeding ewes. London, Whitcombe and Tombs, 1938. (A practical series on feeding, management and diseases of ewes and lambs. no. 1) 41 L563
- MÜSSEMEIER, F. and SAUER, K., ed. Die Reichstierärzteordnung vom 3. april 1936. (RGBl. I s.347) München, Lehmann, 1936. 41 M97

## Water Supply

- PRYOR, W. C. and PRYOR, H. S. Water - wealth or waste. New York, Harcourt, Brace, 1939. 292 P952

## Zoology

- BABCOCK, H. L. Field guide to New England turtles. Boston, Boston society of natural history, 1938. (New England museum of natural history. Natural history guides, no.2) 415 B11F
- KONGO, BELGIAN. INSTITUT DES PARCS NATIONAUX DU CONGO BELGE. Exploration du Parc national Albert. Mission H. Damas (1935-1936) Fasc. 1-4. Bruxelles, 1937-38. 411.3 K83E
- PEATIE, D. C., ed. A gathering of birds, an anthology of the best ornithological prose. New York, Dodd, Mead, 1939. 413 P32
- SCHMID, B. Interviewing animals. Translated by B. Miell. Boston, Houghton, Mifflin, 1937. 411 Sch52I

## Theses

- ALBERT, H. Die herstellung und die technischen eigenschaften von Ferrarizementen. Berlin, 1937. Diss. Tech. hochschule, Berlin. 299 Al1
- COMBERG, G. Beiträge zur entwicklung des kalbes in den ersten lebenswochen. Ohlau i. Schl., 1938. Inaug.-Diss. Breslau. 43 C73



BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- Mudge, I. G. Reference books of 1935-1937. Supplement to Guide to reference books. Ed. 6. Chicago, American Library association, 1939. 243.3 M88G Ed.6 Suppl.
- Willis, L. G. Bibliography of references to the literature on the minor elements and their relation to plant and animal nutrition. Ed. 3. Originally compiled by L. G. Willis. New York, Chilean nitrate educational bureau, inc., 1939. 488 p. 463.34 W67 Ed. 3
- U. S. Department of commerce. Bureau of foreign and domestic commerce. Selected references on handicraft woodworking. Prepared by Forests products division in cooperation with other industrial divisions of the Bureau of foreign and domestic commerce. Originally issued June 1935, revised February 1938. 157.55 Se45

## U. S. Department of Agriculture

## Bureau of Agricultural Economics

- The frozen food industry: selected references, January 1937 to March 1939. Compiled by Helen E. Honnefrund. April 1939. 14 p. Issued by the Library (Economic library list no. 2) 1.9 Ec73E

## Bureau of Agricultural Engineering

- Bibliography on flax. Compiled by Dorothy W. Graf, librarian. June 1938. 7 p. Issued by the Library. 1.9 En32Bf1
- Bibliography on refrigerator lockers: a selected list of references. Compiled by Dorothy W. Graf, librarian. 1938. 6 p. Issued by the Library 1.9 En32BrC

- Magazines contributing most frequently to the index of current literature in agricultural engineering. October 1938. 26 p. Issued by the Library. 1.9 En32M

## Bureau of Animal Industry

- A list of egg-laying contests. April 1939. 1 p. (A.H.D. no. 9, revised) 1.9 An52Ah

## Bureau of Chemistry and Soils.

- Bibliography on freezing preservation of fruits and vegetables. Supplement. By J. A. Berry and H. C. Diehl, Frozen pack laboratory, Seattle, Washington. February 25, 1939. 11 p. 1.9 C4925Bf

- Partial list of packers of frozen fruits and vegetables and fruit and vegetable juices. Compiled by Frozen pack laboratory, Seattle, Washington. December 6, 1938. 13 p. Issued by Food Research division. 1.9 C4925Pfv

## Bureau of Entomology and Plant quarantine.

- List of dealers in beekeeping supplies, package bees, and queens. April 1, 1939. [6] p. (Circular E-297) 1.9 En861

BIBLIOGRAPHIES AND LISTS

## U. S. Department of Agriculture (continued)

## Extension Service

List of extension workers. March 1939. 272 p. Issued by Extension service, U.S. Department of Agriculture, and State agricultural colleges cooperating. 1.9 Ex892L

Selected references on dramatics, music, and games for use at 4-H club meetings, camps and community nights. Compiled by Ella Gardner. March 1939. 12 p. (Miscellaneous extension publication no. 24 revised) 1.9 Ex892Mi

Selected references to recreation-program material available from the state agricultural extension services. By Ella Gardner. March 1939. 17 p. (Miscellaneous extension publication no. 40 revised) 1.9 Ex892Mi

## Forest Service

List of publications on wood preservation. March 1939. 28 p. Issued by Forest products laboratory, Madison, Wisconsin. 1.9 761Lw

List of state forestry agencies. Compiled by Division of state cooperation. March 15, 1939. 6 p. (B-2) 1.9 F7681B

Reference books on commercial woods (partial list). April 1939. 4 p. Issued by Division of forest products. 1.9 F76Rb

## Bureau of Plant Industry

A reading list on weeds and weed control. Compiled by L. K. Kephart. 1939. 5 p. Issued by Division of cereal crops and diseases. 1.9 P6917Pop

-O-O-O-O-O-O-O-O-O-O-O-O-O-

THE BIBLIOGRAPHIC INDEX

The first cumulated annual volume of The Bibliographic Index (A Cumulative Bibliography of Bibliographies) has just been published by the H. W. Wilson Company, New York City. The volume contains 344 pages and "provides references, conveniently arranged under standard subject headings, to some 14,000 bibliographies publishing during 1937 and 1938. The only systematic guide to these important reference tools available today, it does double service thru its additional value as a catalog that brings to light the significant material on a wide variety of subjects. Complete bibliographical entries point the way to many otherwise unindexed lists in books and periodicals, select lists available thru inter-library loan, longer, more comprehensive lists published separately and new editions, supplements, reprints of general subject, universal, national and trade bibliographies." Three quarterly numbers and a cumulated volume are to be published each year, and there will also be a five year cumulated volume. The Index will be sold on the service basis.

-O-O-O-O-O-O-O-O-O-O-O-O-

-----

TRANSLATIONS RECEIVED IN THE LIBRARY

From Iowa State College

BENOIT, J. Action de divers éclairagements localisés dans la région orbitaire sur la gonadostimulation chez le canard male impubère. Croissance testiculaire provoquée par l'éclairement direct de la région hypophysaire (Action of various localized illuminations in the orbital region on gonad stimulation in the immature drake. Testicular growth stimulated by direct illumination of the hypophyseal region). Compt. Rend. Soc. Biol. [Paris] 127: 909-914. 1938.

----- and OTT, L. Action de lumières de différentes longueurs d'onde sur la gonadostimulation chez le canard male impubère (Action of lights of different wave lengths on gonad stimulation in the immature drake). Compt. Rend. Soc. Biol. [Paris] 127: 906-908. 1938.

----- Hypophysectomie et éclairage artificiel chez le canard male (Hypophysectomy and artificial lighting in the drake). Compt. Rend. Soc. Biol. [Paris] 120: 1326-1328. 1935.

----- Influence de la lumière naturelle sur la croissance testiculaire chez le canard au cours de la reprise sexuelle saisonnière (avec démonstrations) (Influence of natural light on the testicular growth in the drake during seasonal sexual recovery. With demonstrations). Compt. Rend. Soc. Biol. [Paris] 120: 131-133. 1935.

----- Maturité sexuelle et ponte obtenues chez la cane domestique par l'éclairement artificiel (avec démonstration) (Sexual maturity and laying obtained in the domestic duck by artificial lighting. With demonstration). Compt. Rend. Soc. Biol. [Paris] 120: 905-908. 1935.

----- Role des yeux dans l'action stimulante de la lumière sur le développement testiculaire chez le canard (avec démonstrations) (Role of the eyes in the stimulant action of light on the testicular development of the drake. With demonstrations). Compt. Rend. Soc. Biol. [Paris] 118: 669-671. 1935.

----- Role des yeux et de la voie nerveuse oculo-hypophysaire dans la gonadostimulation par la lumière artificielle chez le canard domestique (Role of the eyes and the oculo-hypophyseal nerve path in gonad stimulation by artificial light in the domestic duck). Compt. Rend. Soc. Biol. [Paris] 129: 231-234. 1938.

----- Stimulation du développement testiculaire par l'éclairement artificiel (avec démonstrations) (Stimulation of testicular development by artificial light. With demonstrations). Compt. Rend. Soc. Biol. [Paris] 118: 664-671. 1935.



TRANSLATIONS RECEIVED IN THE LIBRARYFrom Iowa State College (continued)

BENOIT, J. Stimulation par la lumière artificielle du développement testiculaire chez les canards aveuglés par énucléation des globes oculaires (avec démonstrations) (Stimulation by artificial light of testicular development in drakes blinded by removal of the ocular globes. With demonstrations). *Compt. Rend. Soc. Biol. [Paris]* 120: 136-139. 1935.

----- Stimulation par la lumière artificielle du développement testiculaire chez des canards aveuglés par section du nerf optique (avec démonstrations) (Stimulation by artificial light of testicular development in drakes blinded by section of the optic nerve. With demonstrations). *Compt. Rend. Soc. Biol. [Paris]* 120: 133-136. 1935.

----- Sur la croissance du testicule du canard immature déclenchée par l'éclairage artificiel. Etude histologique (On the growth of the testicle of the immature drake by artificial lighting. Histological study). *Compt. Rend. Soc. Biol. [Paris]* 120: 1323-1326. 1935.

CHOUARD, P. Chaleur, lumière et radiations. Principes de leur action sur les plantes. II. L'éclairage; ses divers modes; action des diverses radiations sur les plantes (Heat, light and irradiations. Principles of their action on plants. II. Lighting; its various modes; action of various irradiations on plants). *Rev. Hort. n. s.* 25(1): 17-26. Jan. 1936. Translated by J. B. Wingert and Louis DeVries.

JACOTOT, H. La vaccination contre la peste porcine au moyen d'emulsions organiques avirulentes (Vaccinations for hog cholera by means of avirulent organic emulsions). *Bul. Acad. Vet. France.* 90 (n.s.10): 276-279. July 1937. Translated by C. G. Rowe and Louis DeVries.

JACOTOT, H. Sur le domaine zoologique du virus de la peste porcine (Concerning the zoological domain of the virus of hog cholera). *Bul. Acad. Vet. France* 90 (n.s.10): 280-283. July 1937. Translated by C. G. Rowe and Louis DeVries.

KING, M. Ueber die einwirkung des diacetyls auf das butterfett (On the effect of diacetyl on butterfat). *Milchwirtschaftliche forschung* 12: 172-182. 1931. Translated by H. B. Morrison and Louis DeVries.

LIESEGANG, R.E. Kolloid-fibel für mediziner (Colloid primer for students in medicine). Dresden, T. Steinkopf, 1936. Translated by K. Goering and Louis DeVries.

TRANSLATIONS RECEIVED IN THE LIBRARYFrom Iowa State College (continued)

PAILLOT, A. L'infection chez les insectes. Pt. 3 (Infection among insects. Pt. 3. The ultravirus diseases). Trévoux, G. Patissier, 1933. Translated by S. S. Sharp and Louis DeVries.

RITTER, W. Die aldehydreduktase der milch und ihre beeinflussung durch kupfer und bakterientätigkeit (The aldehyde reductase of milk and its influence thru copper and bacterial activity). Landw. Jahrb. Schwiez. 49: 873-886. 1935. Translated by H. B. Morrison and Louis DeVries.

URBAIN, P. Introduction à l'étude pétrographique et géochimique des roches argileuses. v. 2. 1937. Exposés de géologie, v. 5. (Introduction to the study of the petrography and geochemistry of argillaceous rocks. v. 2, 1937. Principles of geology, v. 5. Translated by F. L. Cuthbert and Louis DeVries.

From North Carolina State College

HOLLMANN, W., and HOLLMANN, H. E. Neue elektrokardiographische untersuchungsmethoden. I. Das absolutkardiogram (Recent electro-cardiographic experimental methods. I. The absolute-cardiogram). Ztschr. Kreislaufforsch. 14: 465-470. 1917. Translated by G. Radke.

WÜSTENFELD, H., and KREIPE, H. Versuche über das weichwerden der saueren gurken (Investigations on the softening of sour pickles). Deut. Essigind. 37: 77-81. Mar. 10, 1933. Translated by I. O. Garodnick.

- o - o - o - o - o - o - o -

CONGRESSES

First International Tobacco Congress, Bremen, Germany, Sept. 25-30, 1939. (Congress of the International Centre of Tobacco, Rome; Congress of the International Association for Scientific Tobacco Research, Bremen). Secretaries General: Dott. U. Rossi, Via Regina Elena, 86, Rome; H. Aschenbrenner, 116, Langenstrasse, Bremen.

la Adunata Nazionale dei Veterinari per la fecondazione artificiale, 11-12 Aprile 1939, R. Università di Pavia, Italia. (The Proceedings may be obtained from the Istituto per la Fecondazione Artificiale at Milano, via Monte Ortigara 35)

III Congres International du Genie Rural, Rome, 20-23 Septembre 1939. Le Secrétaire Général du Congrès: Prof. André Cravino, Fédération Internationale des Techniciens Agronomes, Via Regina Elena 86, Rome.

International Congress of Viticulture, Bad Kreuznach, Germany, August 21-30, 1939. Office of the Secretary General: Berlin W. 35, Potsdamer Strasse 101.

- o - o - o - o - o -

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

- BROWN, H. L. Let's increase our cotton exports. South. Agr. 69(5): 4.  
May 1939.
- McCAMY, J. L. Variety in the growth of federal publicity. Pub. Opinion  
Quar. 3: 285-292. Apr. 1939.

Bureau of Agricultural Economics

- CAMPBELL, M. E. Cotton spinning tests and related fiber studies in the  
U.S. Department of Agriculture. Textile Bul. 54(18): 3-16. June 30, 1938.
- CAREY, L. C. Dimensional method of testing containers for fruits and vege-  
tables. (Address) In U.S. Dept. Com., Misc. Pub. 161, p. 128-133. 1939.
- CLAY, H. J. The use of beeswax in cosmetics. Inst. Inklings 2(3): 4.  
Nov. 1938.
- DEWEY, R. L. (Book Review) France faces depopulation, by Joseph J. Spengler.  
313 p. Durham, N. C., Duke University Press, 1938. Bul. Amer. Assoc.  
Univ. Professors 25: 218-220. Apr. 1939.
- GERDES, F. L. (With C. A. BENNETT, Bur. Agr. Eng.) Ginning-research develop-  
ments made during 1938. Cotton and Cotton Oil Press 40(11): 30-31, 34-  
35, 38. Apr. 1, 1939.
- HOCKLEY, H. A. Recently enacted weed control legislation. Jour. Land &  
Pub. Utility Econ. 15: 99-101. Feb. 1939.
- HOLMES, C. L. Summary of discussion on "Farm Management in the United States".  
Internatl. Mangt. Cong. Proc. 7: 212-213. 1938.
- JOHNSON, S. E. Summary of discussion on "The management function in American  
agriculture". Internatl. Mangt. Cong. Proc. 7: 213. 1938
- LANHAM, W. B. Buyers demand improved grade and staple of cotton from Texas.  
"East Texas" (Off. pub. of East Texas Chamber of Commerce) 13(7):  
34, 53. Apr. 1939.
- MEAL, W. G. The Department of Agriculture and the fresh fruit and vegetable  
industry. (Address) Ann. Conv., Natl. League Wholesale Fresh Fruit  
and Veg. Distributors (Conv. Summary and Ann. Rpt. of the Sec.)  
47: 3-10. 1939.
- Policies to meet fruit and vegetable marketing problems. (Address)  
Ohio State Hort. Soc. Proc. 72: 166-189. 1939.
- NELSON, J. C. (Book Review) Economics of transportation, by D. Philip  
Lochlin. 863 p. Chicago, Business Pubs. 1938. South. Econ. Jour.  
5: 557-559. Apr. 1939.

---

\*These lists are prepared in the offices under which they are listed with  
the exception of the Office of the Secretary.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics (continued)

- SCHWENGER, R. B. (Book Review) Les prix agricoles mondiaux et la crise, by Bertrand Nogaro. 167 p. Paris, Librairie Générale de Droit & de Jurisprudence R. Pichon et R. Durand-Auzias, 1936. Jour. Amer. Statis. Assoc. 31: 637-638. Sept. 1936.
- SHERMAN, C. B. The consumers' concern in State barriers to trade. Jour. Home Econ. 31: 300-304. May 1939.
- SLOCUM, R. R. Selling quick-frozen ready-to-cook poultry. West. Frozen Foods 1(2): 19-20. Mar. 1939.
- SPANGLER, R. L. Summary of "The effects of market regulations on horticultural production in the United States" (Sect. 16, Production and Market Regulation, p. 5). Internatl. Hort. Cong., Berlin and Essen 12 (Sect. 16):5 1938.
- STINE, O. C. (Book Review) Diminishing return and planned economy, by Dr. George M. Peterson. 254 p. New York, Roland Press, 1937. Rural Sociol. 3: 470-472. Dec. 1938.
- (U.S.D.A. Cotton Ginning Laboratories - Bure. Agr. Econ. with Bur. Agr. Eng., cooperating, Stoneville, Miss.) Cotton drying: new ginning service to farmers. Amer. Cotton Grower 4(11): 11. Apr. 1939.
- The gin saw - a profit wolf. Amer. Cotton Grower 4(10): 11. Mar. 1939.
- WAUGH, F. V. and BEEN, R. O. Some observations about the validity of multiple regressions. Statis. Jour. (Pub. by the Statis. Assoc. of the Col. of the City of N.Y.) 2(1): 6-14. Jan. 1939.
- WHITE, B. S., Jr. Our disorderly world conditions jumble vision for U.S. tobacco. Tobacco 108(13): 15-16, 80. Mar. 30, 1939. (Also Ed. note, p. 15.)

Bureau of Agricultural Engineering

- BENNETT, C.A. and SHAW, C.S. Overhead cleaning-drying systems for seed cotton. Cotton Ginn. Jour. 10(3): 5-6, 18-19. Dec. 1938.
- BENNETT, C.A. Relation of mechanical harvesting to the production of high-grade cotton. Cotton Ginn. Jour. 10(2): 5-6. Nov. 1938.
- HURST, W.M. New trends in farm machinery. Agr. Leaders' Digest. 20(2): 10. Feb. 1939.

Bureau of Animal Industry

- BUNYEA, HUBERT. An outbreak of pullorum disease in young guinea fowl. Amer. Vet. Med. Assoc. Jour. 47: 233-234. Mar. 1939.
- CHAPIN, R. M., SCHAFFER, J.M. & LEDUC, P.W. The control of Brucella agglutination antigen by means of dried serum. In U.S. Livestock Sanitary Assoc. Proc. 42d, p.31-38, Dec. 1938.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry (continued)

- COUCH, J.F., BRIESE, R.R. (With J.H. MARTIN, Bur. of Plant Industry) Hydrocyanic acid content of sorghum varieties. Wash. Acad. of Sci. Jour. 29: 146-161, April 15, 1939.
- DIKMANS, GERARD. Two new nematodes (Trichostrongyloidea) from rodents. Helminthol. Soc. Wash. Proc. 6: 1-4, Jan. 1939.
- JOSE, E. C. Construction and equipment of municipal meat plants. Amer. Vet. Med. Assoc. Jour. 47: 172-177, Mar. 1939.
- KRULL, W. H. On the life history of *Moniezia expansa* and *Cittotaenia* sp. (Cestoda: Anoplocephalidae). Helminthol. Soc. Wash. Proc. 6: 10-11, Jan. 1939.
- McINTOSH, ALLEN. A new dicrocoeliid trematode, *Eurytrema komareki*, n. sp., from a white footed mouse. Helminthol. Soc. Wash. Proc. 6: 18-19, Jan. 1939.
- MILLER, W. T., MINGLE, C. K., MURDOCK, F. M. & HEISHMAN, J.O. The concentration of sulfanilamide in the blood and milk of cattle and its effect on *Brucella abortus* and streptococcal infections of bovine udder. Amer. Vet. Med. Assoc. Journal. 47: 161-171, Mar. 1939.
- OSTEEN, O. L. Infectious equine encephalomyelitis: mid-winter case. Amer. Med. Assoc. Jour. 47: 441-442, April 1939.
- PORTER, D. A. Effectiveness of the swine sanitation system in controlling swine stomach worms in the South. Helminthol. Soc. Wash. Proc. 6: 21-23, Jan. 1939.
- PRICE, E.W. A new genus and two new species of digenetic trematodes from a marine turtle. Helminthol. Soc. Wash. Proc. 6: 24-25, Jan. 1939.
- SHAHAN, M. S., GILTNER, L. T. and SCHOENING, H. W. A review of the 1938 outbreak of infectious equine encephalomyelitis in the United States. In U.S. Livestock Sanitary Assoc. Proc. 42d, p.145-157, Dec. 1938.
- SCHWARTZ, BENJAMIN, Chairman. Report of the committee on parasitic diseases. In U.S. Livestock Sanitary Assoc. Proc. 42d, p.209-214, Dec. 1938.
- SWANSON, L. E. A note on the parasite fauna of the Hawaiian Islands. Helminthol. Soc. Wash. Proc. 6: 29-30, Jan. 1939.
- WEAR, E. E. New genera and species of Filarioidea. II. *Quadriplotriaena dolichodemus* n.gen., n.sp. Helminthol. Soc. Wash. Proc. 6: 32-33, Jan. 1939.
- WIGHT, A. E. Accomplishments in the Federal-State Bang's disease project. In U.S. Livestock Sanitary Assoc. Proc. 42d, p.16-22, Dec. 1938.
- The progress and status of co-operative tuberculosis eradication work. In U.S. Livestock Sanitary Assoc. Proc. 42d, p.222-226, Dec. 1938.
- WINTON, BERLEY. Poultry breeding studies prominent at Beltsville. U.S. Egg and Poultry mag. 45: 276-278, May 1939.

Bureau of Biological Survey

- ALDOUS, C. M. A melanistic snowshoe hare from Maine. Jour. Heredity 30 (1): 25-26, Jan. 1939.
- BENNETT, L. J. (With P. F. ENGLISH, junior author). The fall foods of ring-neck pheasants and bobwhites. Pa. Game News 10 (1): 8, 9, 29, Apr. 1939.



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Biological Survey (continued)

- BURLEIGH, T. D. (With G. M. SUTTON, senior author). A new screech owl from Nuevo Leon. Auk 56: 174-175, Apr. 1939.
- COTTAM, C. Late occurrence of nighthawk in Connecticut. Auk 56: 188, Apr. 1939.
- and KNAPPEN, P. Food of some uncommon North American birds. Auk 56: 138-169. Apr. 1939.
- GABRIELSON, I. N. Range restoration. Bird-Lore 41: 63-66. Mar./Apr. 1939.
- Burning wildlife. Amer. Forests 45: 186-188. Apr. 1939.
- OBERHOLSER, H. C. The season (ornithological): Washington (D. C.) region. Bird-Lore 41: 120-121. Mar./Apr. 1939.
- SALYER, J. C., II. (With K. F. LAGLER, junior author). The merganser--trout fancier. Amer. Wildlife 28 (1): 33-36. Jan/Feb. 1939.
- SHELDON, H. P. Guns and game: Humane measures; criticisms; firearms regulations; a big gun. Country Life and Sportsman 75 (4): 26, 30, 33. Feb. 1939.
- TAYLOR, W. P. Wildlife conservation in the farm and ranch program. Tex. A. and M. Col. 6 p, Jan. 1939. (mimeographed).
- ZAHNISER, H. Indoors and out. Nature Mag. 32: 247, 289. May 1939.

Bureau of Chemistry and Soils

- BREWER, A. K. Constancy of  $K^{40}$ . Phys. Rev. 55: 669. Apr. 1, 1939.
- and BRAMLEY, A. A thermal-gravitational method for the separation of gases and isotopes. Phys. Rev. 55: 590. Mar. 15, 1939.
- COULSON, E. J. and STEVENS, H. Sensitization of guinea pigs to cotton linters and house dust extracts. Soc. for Expt. Biol. & Med. Proc., 40: 457-460. Mar. 1939.
- DeEDS, FLOYD, STOCKTON, A. B. and THOMAS, J. O. Studies of phenothiazine VIII. Antiseptic value of phenothiazine in urinary tract infections. Jour. Pharmacol. and Expt. Ther. 65: 353-371. Apr. 1939.
- FREY, R. W. and SCHNITZER, J. G. Leather. In Britannica Book of the Year 1939, p. 384.
- MEHRING, A. L. Grades of superphosphate sold to farmers in the United States. Fert. Rev. 14(1): 3, 11-13. Jan.-Feb. 1939.
- Higher analysis fertilizers are more economical. Bul. N. C. Dept. of Agr. 11: 237-238. Mar. 1939.
- NOLTE, A. J. and VON LOESECKE, H. W. Characteristics and composition of watermelon seed oil (Cuban queen variety). Jour. Amer. Chem. Soc. 61: 889-891. Apr. 1939.
- ROSS, W. H. (With K. C. BEESON, Bur. Plant Indus). The problem of the principal secondary elements in high analysis fertilizer mixtures. Amer. Fert. 90(5): 5-8, 24, 26. March 4, 1939; 90(6): 8, 9, 26. Mar. 18, 1939.
- and WHITE, L. M. How to prevent fertilizer burn. Better Crops with Plant Food 23(1): 21, 22, 45-47. Jan. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils (continued)

- SPIES, J. R., BERTON, H. S. and STEVENS, H. The chemistry of allergens I. Isolation of an active fraction from cottonseed. Jour. Allergy 10: 113-129. Jan. 1939.
- WHITTAKER, C. W., RADER, L. F., JR., and ZAHN, K. V. Citrate solubility of the magnesium in dolomite of varying particle size. Jour. Assoc. Off. Agr. Chem. 22: 180-189. Feb. 1939.
- WULF, O. R. and MELVIN, E. H. Band spectra in nitrogen at atmospheric pressure. A source of band spectra excitation. Phys. Rev. 55: 600, Mar. 15, 1939. (Abstract); Phys. Rev. 55: 687-691. Apr. 15, 1939. (Article)

Bureau of Entomology and Plant Quarantine

- BISHOPP, F. C. and WEBB, J. L. A review of mosquito work throughout the world in 1937. N. J. Mosquito Extermin. Assoc. Proc. (1938) 25: 152-176.
- BLANTON, F. S. Notes on some thrips collected in the vicinity of Babylon, Long Island, N. Y. Jour. N. Y. Ent. Soc. 47: 83-94. Mar. 1939.
- BØVING, ADAM G. and HENRIKSEN, KAI L. The developmental stages of the Danish Hydrophilidae. (Ins., Coleoptera). Vidensk. Meddel. Dansk Naturhist. For. Kjøbenhavn, 102: 1-162. Dec. 6, 1938.
- BUCHANAN, L. L. Changes of names in Carabidae and Rhynchophora (Coleoptera). Ent. Soc. Wash. Proc. 41: 79-82. Mar. 1939.
- CLARKE, J. F. G. A new geometrid genus from North America, with a discussion of its type (Lepidoptera). Ent. Soc. Wash. Proc. 41: 73-75. Mar. 1939.
- CLAUSEN, C. P. The effect of host size upon the sex ration of hymenopterous parasites and its relation to methods of rearing and colonization. Jour. N. Y. Ent. Soc. 47: [1]-9. Mar. 1939.
- CRAWFORD, J. C. A new Hoplothrips (Trichothrips) from Yugoslavia (Thysanoptera). Ent. Soc. Wash. Proc. 41: 92-93. Mar. 1939.
- CRAWFORD, J. C. Thysanoptera from northern New Jersey with descriptions of new species. Jour. N. Y. Ent. Soc. 47: 69-81. Mar. 1939.
- DORST, HOWARD E. Protection of tomatoes from the beet leafhopper. Utah State Agr. Col. Ext. Serv. New Ser. Circ. 98: 20-21. 1939.
- DORST, HOWARD E. Summary of report of tomato fruitworm experiments in Utah. Utah State Agr. Col. Ext. Serv. New Ser. Circ. 98: 9-10. 1939.
- FIFE, L. COURTNEY. Alternate host plants of the pink bollworm, *Pectinophora gossypiella* (Saund.), in Puerto Rico. Univ. Puerto Rico. Jour. Agr. 22: 483-492. Oct. 1938.
- HEINRICH, CARL. The cactus-feeding Phycitinae: a contribution toward a revision of the American pyralidoid moths of the family Phycitidae. U. S. Natl. Mus. Proc. 86: [331]-413. 1939.
- LAAKE, E. W. On the hydrogen-ion concentration of myiotic wounds and its relation to the oviposition stimulus in *Cochliomyia americana* C. and P. Amer. Jour. Trop. Med. 19: 193-197. Mar. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- McDONALD, R. E. A discussion of the pink bollworm problem. Acco Press, 17(3): 12-15. Mar. 1939.
- MUESEBECK, C. F. W. Five new species of Meteorus (Hymenoptera: Braconidae). Ent. Soc. Wash. Proc. 41: 83-87. Mar. 1939.
- ROBINSON, WILLIAM and BAKER, FRED CORNELL. The enzyme urease and the occurrence of ammonia in maggot-infected wounds. Jour. Parasitol. 25: 149-155. Apr. 1939.
- SMITH, MARION R. A new species of North American Ponera, with an ergatandrous form (Hymenoptera: Formicidae). Ent. Soc. Wash. Proc. 41: 76-78. Mar. 1939.
- STAGE, H. H. Mosquito control work in the Pacific Northwest. Mosquito Extermin. Assoc. Proc. (1938) 25: 188-197.
- STAKMAN, E. C., POPHAM, W. L., and CASELL, R. C. Observaciones del chahuixtle en Mexico durante el mes de Febrero de 1938. Agricultura (Mexico, D. F.), 2(10): 3-5. Jan.-Feb. 1939.
- THOMAS, F. L. Relation of soil and water conservation to cotton production and insect damage. Acco Press, 17(3): 15-16, Mar. 1939.
- TULLOCH, GEORGE S. Ecological notes on mosquitoes associated with bromeliads. Univ. Puerto Rico. Jour. Agr. 22: 499-501. Oct. 1938.
- WILSON, C. C. Grasshopper surveys in California. Calif. Dept. of Agr. Bul. 27: 17-173. Feb. 1939.
- YOTHERS, M. A. Are scraping and banding for codling moth control worthwhile? Northwest Fruit Grower 11(3): 4. Mar. 1939.
- YEAGER, J. FRANKLIN. Apparent nuclear-cytoplasmic transfer in some insect blood cells. Ann. Ent. Soc. Amer. 32: 49-[58] (including pl. I-II). Mar. 1939.
- YEAGER, J. FRANKLIN. Significance of the presystolic notch in the mechanocardiogram of Periplaneta americana (L.). Ann. Ent. Soc. Amer. 32: 44-48. Mar. 1939.

Office of Experiment Stations

- WATERMAN, H. C. The preparation of hardened embedding paraffins having low melting points. Stain Tech. 14(2): 55-66. Apr. 1939.

Forest Service

- ABELL, C. A. A method of estimating area in irregularly shaped and broken figures. Jour. Forestry 37: 344-345. Apr. 1939.
- AUTEN, J. T. (Book review) Soil profile characteristics of the pine-growing soil of the coastal plain region of Arkansas, by Lewis M. Turner. Arkansas agric. expt. sta. Bul. 361. 52p. figs. 1938. Jour. Forestry 37: 354-355. Apr. 1939.
- BURKS, G. F., and WILSON, R. C. A vegetation inventory from aerial photographs. Photogrammetric Engin. 5(1): 30-42. Jan./Mar. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- CONARRO, R. M. Fighting tomorrow's fires today. Amer. Forests 45: 214, 216, 228. Apr. 1939.
- CONNAUGHTON, C. A. Watershed management - more than mere protection. Jour. Forestry 37: 341-342. Apr. 1939.
- CULLEY, MATT. Rodents or cattle? Western Livestock Jour. 17(19): 12, 30-31. Mar. 28, 1939.
- CUMMINGS, W. H. Diameter class gauges for small stems. Jour. Forestry 37: 349. Apr. 1939.
- DAVIS, E. M. (Book review) African pencil cedar. Studies of the properties of *Juniperus procera* (Hochst.) with particular reference to the adaption of the timber to the requirements of the pencil trade. Dept. Sci. and Indust. Research Forest Prod. Research Rec. 24. 9p. plates, fig. 1938. British library of information, N. Y. Jour. Forestry 37: 352. Apr. 1939.
- DAY, B. B. (Book review) Statistical tables for biological, agricultural and medical research, by R. A. Fisher and F. Yates. 90p. Oliver and Boyd, London and Edinburgh. 1938. Jour. Forestry 37: 351-352. Apr. 1939.
- GISBORNE, H. T. Hornby's principles of fire control planning. Jour. Forestry 37: 292-296. Apr. 1939.
- GODWIN, D. P. The evolution of fire-fighting equipment. Amer. Forests 45: 205-207, 235-237. Apr. 1939.
- GUTHRIE, J. D. First awards of fire medal. Jour. Forestry 37: 340. Apr. 1939.
- HARPER, V. L. (Book review) Big trees, by Walter Fry and John R. White. 126p. illus. Stanford university press. Stanford university, Calif. 1938. Jour. Forestry 37: 355. Apr. 1939.
- HASTINGS, A. B. Appreciation of Austin Cary. Jour. Forestry 37: 287. Apr. 1939.
- HEADLEY, ROY. Who starts these fires. Amer. Forests 45: 191-193. Apr. 1939.
- KIRKLAND, B. P. The foundation of North American forest policy. Pulp and Paper Mag. Canada 40: 195-198, 208. Feb. 1939.
- KOEHLER, ARTHUR. (Book review) Gurjun, apitong, keruing, kapur, and allied timbers, by S. H. Clarke. Dept. Sci. and Indust. Research. Forest Prod. Research Rec. 16. (Timber ser. no. 5). 11p. map. 1937. (British library of information, New York). Jour. Forestry 37: 353. Apr. 1939.
- LEBARROW, R. K., and EYRE, F. H. The release of seeds from Jack pine cones. Jour. Forestry 37: 305-309. Apr. 1939.
- MESAVAGE, CLEMENT. Frost damage to forests in northern New Jersey. Jour. Forestry 37: 345-346. Apr. 1939.
- MINCKLER, L. S. Transpiration of trees and forests. Jour. Forestry 37(4): 336-339. Apr. 1939.
- OSBORNE, J. G. A design for experiments in thinning forest areas. Jour. Forestry 37(4): 296-304. Apr. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- REITZ, R. C. Influence of kiln temperatures on field germination and tree percent in northern white pine. Jour. Forestry 37(4): 343-344. Apr. 1939.
- SILCOX, F. A. Men against the flames. Amer. Forests 45: 194, 194-198. Apr. 1939.
- SPARHAWK, W. N. (Book review). International yearbook of forestry statistics, 1933-1935. Vol. II-America, by Ernest Palmgren and Nestor Smal-Stocky (under the direction of Valentine Dore). 201p. International institute of agriculture, Rome. 1938. Jour. Forestry 37: 354. Apr. 1939.
- STOECKELER, J. H. Shelterbelt planting reduces wind erosion damage in western Oklahoma. Jour. Amer. Soc. Agron. 30: 923-931. Nov. 1938.
- STOTT, C. B., and RYAN, E. J. A permanent sample plot technique adapted to commercial timber stands. Jour. Forestry 37: 347-349. Apr. 1939.
- TIEMANN, H. D. Lessons in wood technology. X. Identification of wood. South. Lumberman 158(1993): 41-43. Apr. 15, 1939.
- WIESLANDER, A. E., and SCHREIBER, B. O. Notes on the genus Arctostaphylos. Madrono 5(1): 38-47. Jan. 1939.
- WILSON, T. R. C. (Book review). Machinery and equipment used for bending wood, by W. C. Stevens. Dept Sci. and Indust. Research. Forest Prod. Research Rec. 25. 13p. 1938. (British library of information New York). Jour. Forestry 37: 353. Apr. 1939.
- WOOD, O. M. Relation of the root system of a sprouting stump in Quercus Montana Willd. to that of an undisturbed tree. Jour. Forestry 37: 309-312. Apr. 1939.

Bureau of Plant Industry

- ARMSTRONG, G. M. and Hawkins, B.S. (With C.C. BENNETT, S.C. Agr. Expt. Sta.) Cotton fiber studies. S.C. Agr. Expt. Sta. Ann. Rpt. (1937/38) 51: 62-63. Dec. 1938.
- ARMSTRONG, G.M. (With W.B. ALBERT and W.B. KELLER, S.C. Agr. Expt. Sta., senior authors) The effect of mineral nutrition on the wilt resistance of a resistant and a susceptible variety of cotton. S.C. Agr. Expt. Sta. Ann. Rpt. (1937/38) 51: 56-58. Dec. 1938.
- ARMSTRONG, G.M. and WEINDLING, R. Fusarium wilt of cotton. S.C. Agr. Expt. Sta. Ann. Rpt. (1937/38) 51: 54-56. Dec. 1938.
- BATJER, L.P. Nitrogen fertilization in the apple orchard. Penn. State Hort. Assoc. Proc. 80: 58-59, 61-66. 1939.
- CALDWELL, J.S. Factors that influence the quality of canned sweet corn. Canner 88(17): 17-18. Apr. 1, 1939.
- CHARLES, V.K. A note on the occurrence of Marasmius pyrinus. Mycologia 31: 228-229. Mar./Apr. 1939.
- CHRISTIE, J.R. Predaceous nematodes of the genus Aphelenchoides from Hawaii. Jour. Wash. Acad. Sci. 29: 161-170. Apr. 15, 1939.
- COOK, O.F. and JOYNER, J.F. Neanthe, a palm for genetic study. Variations in form and behavior. Jour. Heredity 30: 93-103. Mar. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- DRECHSLER, C. A few new Zoöpagaceae destructive to large soil rhizopods. *Mycologia* 31:128-153. Mar./Apr.1939.
- DAVIDSON, R.W. (With W.A. CAMPBELL, Civilian Conserv. Corps, Senior author,) *Poria andersonii* and *Polyporus glomeratus*, two distinct heart-rotting fungi. *Mycologia* 31:161-168. Mar./Apr.1939.
- ERLANSON, C.O. The first South American botanical congress. *Science* 89: 390-391. Apr.28,1939.
- EVENDEN, W. and SCHUSTER, C.E. A new sharpening back and procedure of sharpening for microtome knives. *Stain Technol.* 14:69-71. Apr.1939.
- GOSS, W.L. Germination of buried weed seeds. *Calif. Dept. Agr. Bull.* 28: 132-135. Feb.1939.
- GRANT, T.J. and SPAULDING, P. Avenues of entrance for canker-forming nectrias of New England hardwoods. *Phytopathology* 29:351-358. Apr.1939.
- HALL, E.E. and others. Pee Dee experiment station. *S. C. Agr. Expt. Sta. Ann. Rpt.* (1937/38) 51: 103-128. Dec.1938.
- HARRIS, L. The manure-live stock feed relationship of different types of manured rotations. *Through the Leaves* 27:46-51. Mar.1939.
- HARTLEY, C. The clonal variety for tree planting: asset or liability? *Arborist's News* 4:25-27. Apr.1939.
- JONES, H.A. (With G.C. HAINA, Calif. Agr. Expt. Sta.) A comparison of some asparagus varieties in California. *Canner* 88(19): 18,20-21. Apr.15, 1939.
- Keeping quality and growth in the onion, as influenced by internal and external conditions. *Ill. State Veg. Growers Assoc. Ann. Rpt.* 8: 77-82. 1938.
- Some phases in the development of the asparagus plant. *Ill. State Veg. Growers Assoc. Ann. Rpt.* 8:50-55. 1938.
- LEFEBVRE, C.L. Ergot of paspalum. *Phytopathology* 29:365-367. Apr.1939.
- LOOMIS, H.F. A new palm from Costa Rica, *Astrocaryum alatum*. *Jour. Wash. Acad. Sci.* 29:141-146. Apr.15, 1939.
- LUNN, W.M. and others. Pee Dee experiment station. Tobacco investigations. *S.C. Agr. Expt. Sta. Ann. Rpt.* (1937/38) 51: 129-144 Dec.1938.
- McKAIG, N. jr., BOWEN, A. B. and Roller, E.M. Fertilizer placement experiment with cotton. *S.C. Agr. Expt. Sta. Ann. Rpt.* (1937/38) 51: 153-156. Dec.1938.
- McKAIG, N. jr., and BOWMAN, A.B. (With W.A. CARNS, S.C. Agr. Expt. Sta.) Fertilizer ratio experiment with soybeans. *S.C. Agr. Expt. Sta. Ann. Rpt.* (1937/38) 51: 151-153. Dec.1938.
- McKAIG, N. jr. and ROLLER, E.M. Lysimeter investigations. *S.C. Agr. Expt. Sta. Ann. Rpt.* (1937/38) 51: 150-151. Dec.1938.
- McKAY, J.W. and CRANE, H.L. *Xenia* in the chestnut. *Science* 89:348-349. Apr.14,1939.
- MITCHELL, J.W. and STUART, N.W. Growth and metabolism of bean cuttings subsequent to rooting with indoleacetic acid. *Bot. Gaz.* 100: 627-650. Mar.1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- MYERS, A.T. and BRUNSTETTER, B.C. Preparation of carbon electrodes for spectrographic analysis. Two useful lathe tools. Ind. & Engin. Chem. Anal. Ed. 11: 218-219. Apr.1939.
- PARKER, H.W. and BORTHWICK, H.A. Effect of photoperiod on development and metabolism of the Biloxi soy bean. Bot. Gaz. 100: 651-689. Mar.1939.
- RICKER, P.L. Taming and conserving wild flowers. Wild Flower 16: 7-10. Jan.1939.
- RYALL, A.L. Maturity of pear fruits. Wash. State Hort. Assoc. Proc. (1938)34: 70-72. [1939]
- SCHULTE, R.B. (with H.R. KRAYBILL, senior author and others, Purdue Univ. Agr. Expt. Sta.) Inspection of agricultural seeds. Purdue Univ. Agr. Expt. Sta. Circ. 239. 127 p. Oct.1938 (Recd Apr.12,1939).
- SCOTT, L.E. Grapes. Asparagus. Sweet potatoes. Berries. Other fruits. Miscellaneous vegetable crops. S.C. Agr. Expt. Sta. Ann. Rpt. (1937/38) 51: 158-162. Dec.1938.
- SCOTT, L.E. (With A.M. MUSSER, S.C. Agr. Expt. Sta., senior author) Peaches. S.C. Agr. Expt. Sta. Ann. Rpt. (1937/38) 51: 157-158. Dec.1938.
- SMITH, E. Possibilities for economy and efficiency in handling northwestern fruits. Wash. State Hort. Assoc. Proc. (1938) 34: 141-143. [1939]
- STEVENSON, F.J., SCHULTZ, E. S. and CLARK, C.F. Inheritance of immunity from virus X (latent mosaic) in the potato. Phytopathology 29:362-365. Apr.1939.
- STEINER, G. and CHRISTIE, J.R. Nematodes observed on diseased rhizomes of ginger from Peru. Helminthological Soc. Wash. Proc. 6:26-29. Jan.1939.
- STITT, R.E. Dodder control in annual lespedezas. Jour. Amer. Soc. Agron. 31: 338-343. Apr.1939.
- THORNE, G. Notes on free-living and plant-parasitic nematodes, V. Helminthological Soc. Wash. Proc. 6: 30-32. Jan.1939.
- TRAUB, H.P. and O'RORK, C.T. Course of pollen tube growth in Carica papaya and Cucurbita spp. Nature 143:562. Apr.1,1939.
- ULLSTRUP, A.J. The occurrence of the perfect stage of Rhizoctonia solani in plantings of diseased cotton seedlings. (Note) Phytopathology 29: 373-374. Apr.1939.
- WEISS, F. Recommends treatment of soil for basal rot on bulbs. Florists' Rev. 84(2161):33. Apr.27,1939.
- WHITEMAN, T.M. and WRIGHT, R.C. Storage of Wedgwood iris blooms. Florists' Exch. 92(14):16. Apr.8,1939.

Bureau of Public Roads

- BARBER, E.S. Simplified computation of hydrometer test data for soil Public roads 20: 13-16. Mar. 1939.
- CARPENTER, C.A. A study of sand-clay-gravel materials for base-course construction. Public roads 20: 1-12, 16-17. Mar. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Public Roads (continued)

- FIESENHEISER, E.I. and SAUER, F.J. Length of parabolic arc. Engin. news-rec. 122: 72. Apr. 13, 1939.
- HEWES, L.I. Express highways into and through cities urgent need, survey reveals. Southwest builder and contractor 93: 11-13. Mar. 24, 1939.
- Problems of highways outside cities discussed by U.S. Bureau engineer. Southwest builder and contractor 93: 10-11. Mar. 31, 1939.
- Some highway problems. Constructor 21: 55, 61. Mar. 1939.
- Some highway problems of today. Amer. highways 18: 8-11, 14-15. Apr. 1939.
- KELLEY, E.F. What research tells pavement designers. Engin. news-rec. 122: 56. Mar. 30, 1939.
- McCOY, N.F. The trend of today in asphalt design. Part 2. Pacific road builder and engin. rev. 50: 42-43. Apr. 1939.
- NORMANN, O.K. Preliminary results of highway capacity studies. Traffic engin. 9: 1-2. Mar. 1939.
- PALMER, L.A. Influence of soil mechanics in design retaining walls. Commonwealth engin. 26: 308. Mar. 1, 1939.
- ROSE, A.C. Highways of history. Tennessee road builder 11: 7. Apr. 1939.

Soil Conservation Service

- BENNETT, H.H. Fire, floods and erosion. Amer. Forests 45: 174-176, 229. Apr. 1939.
- A permanent loss to New England. Soil erosion resulting from the hurricane. Geogr. Rev. 29: 196-204. Apr. 1939.
- BURROWS, G.M. Soil conservation experimental work shows remarkable results on grass lands of Curry county (New Mexico) N. Mex. Stockman 4(3): 18-19, 21. Mar. 1939.
- CALKINS, H.C. Effect of new legislation on the Soil conservation program. Ariz. Teacher 27: 41-42. Oct. 1938.
- DAVIS, W.E. Measurement of precipitation above forest canopies. Jour. Forestry 37: 324-329. Apr. 1939.
- HOLT, E.G. Birds and beasts aid erosion control. Amer. Wildlife 28: 79-86. Mar./Apr. 1939.
- HORTON, R.E. Density currents in reservoirs and lakes. Civ. Engin. 9: 254. Apr. 1939.
- MAITS, C.B., jr. A contoured pasture. Penn. Farmer 120: 236. Apr. 8, 1939.
- RAYMOND, A. Curriculum building in Arizona schools. Ariz. Teacher 27: 42-46. Oct. 1938.
- SLOAN, S.L., JACKLIN, A.W. and KAISER, V.G. Soil-conserving and soil-improving crop rotations for the Palouse. Jour. Amer. Soc. Agron. 31: 300-313. Apr. 1939.
- STEPHENS, J.C. Theory of terrace gradient. Agr. Engin. 20: 149-152. Apr. 1939.
- TAPPEN, J.B. The heavens above, the earth beneath and the waters under the earth. Ariz. Teacher 27: 39-41. Oct. 1938.

NOTES ON PERIODICALS

## New, Changed, and Discontinued

- L'Agriculture pratique. Paris. Discontinued with année 102, no. 52, Dec. 31, 1938. Absorbed by Revue des agriculteurs de France, Jan. 1939.
- America's future. 205 East 42d Street, New York City, mo. f<sup>u</sup> illus. v. 1, no. 1, Oct. 1938. \$2.00 a year.
- Arizona producer. Phoenix, Arizona. Changed to Arizona farmer with v.18, no. 3, Apr. 15, 1939.
- Bibliografía mexicana; publicación trimestral. Organo de la Asociación de libreros de Mexico., Apartado Postal 2754, Mexico, D.F. quar. 8<sup>o</sup> tomo 1, núms. 1-2, July 1938. Annual subscription. Foreign: Dls. 1.00.
- Canadian horticulture and home magazine. Fruit ed. Oshawa, Ontario. Changed to Growers' ed. with v. 62, no. 1, Jan. 1939.
- Farm journal. Philadelphia. Combined with Farmer's wife magazine with v. 63, no. 5, May 1939, to form Farm journal and farmer's wife.
- Food, drug, cosmetic reports. A specialized Washington news letter devoted to government activity and trends in the food, drug, cosmetic and related fields. Wallace Werble, editor. 958 National Press Building, Washington, D. C. weekly, v. 1, no. 5. Mar. 11, 1939. Price not stated.
- India. North-west frontier province. Agricultural dept. Quarterly notes. Agricultural Dept., North-west Frontier Province, Tarnab (Peshawar) v. 1, no. 1. Jan. 1939. Annual subscription: rupee one only.
- International society of soil science. Official communications. Editor: Dr. D. J. Hissink, Groningen (Netherlands), Verlengde Oosterweg 122. quar. 8<sup>o</sup> v. 1, no. 1, 1939.
- International society of soil science. Proceedings...Mitteilungen... Comptes rendus. Discontinued with v. 13, no. 3/4, 1938.
- The Journal of politics. Managing editor: Manning J. Dauer, University of Florida, Gainesville, Fla. Quar. v. 1, no. 1. Feb. 1939. \$3.00 a year, which includes active membership in the Southern political science association.
- Loris: a journal of Ceylon wild life. Ceylon game and fauna protection society, Colombo, Ceylon. Bi-an. 8<sup>o</sup> il. v. 1, no. 4. June 1938. (Free to members of the society) Subscription Rs.10/-; Single copies Rs.1.50 each.
- Mexico (City). Escuela nacional de ciencias biológicas. Anales. Dirección de la Escuela nacional de ciencias biológicas, Mexico, D.F., Apartado postal 7016. Quar. 4 il. v. 1, no. 1. Oct/Dec. 1938. \$6.00 en México y de \$3.00 en el extranjero.
- Nachrichten für den butter- und fettwarenhandel. Berlin. Changed to Die Deutsche fettwirtschaft with jahrg. 15, nr. 95, Dec. 2, 1938.
- National reconstruction; monthly journal devoted to problems of national reconstruction in India. 4-1A, Waterloo St., Calcutta. 4<sup>o</sup> il. v. 1, no. 4, July 1938. Annual subscription: foreign, 6 shillings.



NOTES ON PERIODICALS

(continued)

- North British agriculturist and farming news. Edinburgh. Changed to The Farming news and North British agriculturist with v. 91, no. 11, Mar. 17, 1939.
- Nossa terra. Ministerio da Agricultura. Servico de publicidade agricola, Rio de Janeiro, Brasil. Frequency not stated. f° illus. ano 1, no. 1, Julho de 1938. Price not stated.
- The Ranger; recent developments in ecology, range and pasture management, wildlife management, soil conservation, and related subjects. Herbert C. Hanson, State College Station, Fargo, N. D. Discontinued with v. 5, no. 2, Feb. 20, 1939. Combined with Bimonthly bulletin of the North Dakota Agricultural Experiment Station.
- Reale società toscana d'orticoltura. Bullettino. Firenze. Changed to Reale società toscana d'orticoltura, Rivista, with anno 64, v. 24, no. 1/2, Jan/Feb, 1939.
- La Rivista forestale italiana. Libreria dello Stato, Piazza Verdi, Roma. 4° il. Anno 1, no. 1, Mar. 1939. Foreign subscription: L.50. Successor to L'Alpe, rivista forestale italiana.
- South African horticultural journal. Editorial Office; P. O. Box 1176, Johannesburg. Quar. 4° il. v. 1, no. 2, 1938? 2/4 per annum.
- Standard bank of South Africa, Ltd. Monthly trade review. 10 clements Lane, Lombard Street. London, E. C. 4, and 77 King William St., E.C.4. 8 no. 1, Jan. 1939. Probably continues its Monthly review.
- Western frozen foods. 207 Maritime Building, Seattle, Washington. Mo. v. 1, no. 1, Feb. 1939. \$2.00 a year.

-O-O-O-O-O-O-O-O-O-O-O-O-

MISCELLANY

"The Extension of Library Facilities in Rural Areas", an address by Dr. Louis R. Wilson before the Association of Land-Grant Colleges and Universities, Chicago, November 14, 1938, was published in School and Society for March 25, 1939 (Vol. 49, no. 1265, pages 364-370). In this article Dr. Wilson discusses the following subjects: The distribution of library resources in the United States; Agencies providing rural library service; The needs of rural communities for library service; How support for rural library service is to be provided; The role of the land-grant college in rural library extension.

The May 1939 issue of the Extension Service Review is devoted to the Smith-Lever Act, marking its 25th birthday. In addition to the editorial by Dr. C. W. Warburton, Director of Extension Work, entitled "Behind - 25 years of valuable experience: Ahead - new horizons", directors and county extension agents have set down some of their plans and ideas in dealing with the problems of the farm and farm home.

-O-O-O-O-O-O-O-O-O-O-O-O-



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK

Alabama

- KOEHN, C. J., and SALMON, W. D. The Alabama standard for canned dog food. Vet. Med. 34: 314-318. May 1939.
- KUMMER, F. A. The dynamic properties of soil. VIII. The effect of certain experimental plow shapes and materials on scouring in heavy clay soils. Agr. Engin. 20: 111-114. March 1939.
- VOLK, N. J. The determination of redox potentials of soils. Jour. Amer. Soc. Agron. 31: 344-351. April 1939.

Arizona

- DAVIS, R. N., and LINES, K. W. The physiological types of bacteria in milk in relation to reduction of methylene blue. Jour. Dairy Sci. 22: 209-218. April 1939.
- TETREAU, E. D. Profile of farm wage rates in the Southwest. Rural Sociol. 4: 36-42. March 1939.

Arkansas

- OPPER, L. Experimental vascular disease in rats produced by multiple depletions of vitamin A. Soc. Expt. Biol. and Med. Proc. 40: 449-450. March 1939.
- ROSEN, H. R. Arkansas rose experiences in 1938. Amer. Rose Ann. 1939: 96-99. 1939.

California

- BASINGER, A. J. Orange tortrix - a damaging pest of citrus. Calif. Citrograph 24: 201. April 1939.
- CRUESS, W. V. (With R. GILLILAND, Univ. Calif.) Lettuce kraut and juice. Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 231-232, 251. April 1939.
- HANSEN, H. N., and SNYDER, W. C. Effective control of culture mites by mechanical exclusion. Science 89: 350. April 14, 1939. (H. N. Hansen, Univ. Calif.)
- HEWITT, W. B., and LEACH, L. D. Brown-rot Sclerotinias occurring in California and their distribution on stone fruits. Phytopathology 29: 337-351. April 1939.
- JENNY, H., and OVERSTREET, R. Cation interchange between plant roots and soil colloids. Soil Sci. 47: 257-272. April 1939.
- JUKES, T. H. Experiments with the filtrate factor. Jour. Biol. Chem. 128: 35-43. April 1939.
- LEACH, L. D., and HEWITT, W. B. Forced ejection of ascospores from apothecia of Sclerotinia species. (Note) Phytopathology 29: 373. April 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (continued)

- MICHELbacher, A. E. (With E. ROSS, Univ. Calif.) The giant palm borer, (Coleoptera Bostrichidae) an economic pest in Lower California. Calif. Dept. Agr. Bul. 28: 166-169. Feb. 1939.
- ROBBINS, W. W. The alien plant population of California. Calif. Dept. Agr. Bul. 28: 163-165. Feb. 1939.
- SNYDER, W. C., and RUDOLPH, B. A. Verticillium wilt of pepper, Capsicum annuum. Phytopathology 29: 359-362. April 1939.
- STEWART, M. A. Knowledge of ecology important in pest control operations. Pests 7: 10-12. March 1939.

## Colorado

- ROBERTSON, D. W. Genetics of barley. Jour. Amer. Soc. Agron. 31: 273-283. April 1939.

## Connecticut (Storrs)

- BROWN, B. A. Some factors affecting the prevalence of white clover in grassland. Jour. Amer. Soc. Agron. 31: 322-332. April 1939.
- PORTER, A. M., and ODLAND, M. L. Report of vegetable work conducted at Storrs in 1938. Conn. Veg. Growers' Assoc. Proc. 26(1938): 48-54. [1939]

## Connecticut (State)

- DUNLAP, A. A., and McDONNELL, A. D. Testing germination in sand. Jour. Forestry 37: 330-332. April 1939.
- MCCORMICK, F. A. "Cephalosporium die-back" of elms. (Note) Phytopathology 29: 371-372. April 1939.
- VICKERY, H. B. The metabolism of proteins in green leaves. Cold Spring Harbor Symposia on Quantitative Biol. 6: 67-77. 1938.

## Delaware

- GREVE, E. W. A comparison of pruned and unpruned trees during the first ten years in the apple orchard. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 45-55. [1939]
- KADOW, K. J., HOPPERSTEAD, S. L., and GOODWIN, M. W. The relation of copper fungicides to lead arsenate-lime and fixed nicotine-oil sprays - 1938 results. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 88-98. [1939] (S. L. Hopperstead, Univ. Del.)
- KADOW, K. J., HOPPERSTEAD, S. L., and GOODWIN, M. W. Will insoluble copper sprays control bitter rot under conditions favorable to the disease? 1938 results. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 99-102. [1939] (S. L. Hopperstead, Univ. Del.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Delaware (continued)

- STEARNS, L. A., MacCREARY, D., and PIERPONT, R. L. Spraying experiences in 1938. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 103-114. [1939]

## Florida

- VOORHEES, R. K. The validity and morphology of two Tryblidiella species. Mycologia 31: 113-123. March-April 1939.

## Georgia

- BLEDSON, R. P. Cotton variety tests at eight locations in Georgia for 1938. Com. Fert. 58: 20, 22. March 1939.

## Idaho

- BLODGETT, E. C. The fruit disease situation in Idaho. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 15. 1938. Mimeographed.
- COLWELL, W. E. A method of detecting boron-deficient soils and the occurrence of such deficiencies in Idaho. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers, v. 4(1938): 2. 1938. Mimeographed.
- DOUGLASS, J. R., WAKELAND, C., and GILLETT, J. A. Field experiments for the control of the beet leafhopper in Idaho, 1936-37. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 12. 1938. Mimeographed. (J. R. Douglass, U. S. Dept. Agr., and J. A. Gillett, Beet Leafhopper Control Fund Adm., Twin Falls)
- HAEGELE, R. W. Progress in the biological control of fruit insects at Parma, Idaho. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 9. 1938. Mimeographed.
- MURPHY, D. M. Development of curly top resistance in beans. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 13. 1938. Mimeographed.
- VERNER, L. Influence of a plant hormone on crotch angles in young apple trees. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 7. 1938. Mimeographed.
- WOODBURY, G. W. Effects of certain chemicals on apical dominance and dormancy of Russet Burbank potatoes. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 8. 1938. Mimeographed.

## Illinois

- FAIRBANKS, B. W. The digestion of crude fiber. North Amer. Vet. 19: 15-19. Aug. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (continued)

- HAHN, A. J., and TRACY, P. H. Determining the efficiency of ice cream mix pasteurization through the use of the phosphatase test. Jour. Dairy Sci. 22: 219-228. April 1939.
- REED, R. H. Grading hybrid seed corn for planting. Agr. Engin. 20: 148, 152. April 1939.
- TRACY, P. H. Problems in the processing and marketing of homogenized milk. N. Y. State Assoc. Dairy and Milk Inspectors Papers and Proc. 16(1938): 69-70, 72-84. [1939?]
- WOODRUFF, S. Food preparation and utilization aspects of refrigerated locker storages. Agr. Engin. 20: 105-107. March 1939.

## Indiana

- CUMMINS, G. B. New species of Uredinales. Mycologia 31: 169-174. March-April 1939.
- FICHT, G. A., and HIENTON, T. E. Control of corn borer by light traps. (Abstract) Agr. Engin. 20: 144, 152. April 1939.
- WORZELLA, W. W. The technic of producing a new soft wheat. Cereal Chem. 16: 188-194. March 1939.

## Iowa

- WILSON, H. A., and RICHARDS, L. A. A method for controlling the pH of nutrient solutions in sterile sand cultures. (Note) Jour. Amer. Soc. Agron. 31: 358-362. April 1939.
- BAKKE, A. L. The soil moisture relationship of European bindweed growing in corn. Jour. Amer. Soc. Agron. 31: 352-357. April 1939.
- ECK, J. C., and THOMAS, B. H. The chemical activation of sterols. V. A study of the relationship between chemical activation and configuration of various sterols and derivatives. Jour. Biol. Chem. 128: 257-265. April 1939.
- ECK, J. C., and THOMAS, B. H. The chemical activation of sterols. VI. A study of various reagents in chemical activation and in sterol color reactions. Jour. Biol. Chem. 128: 267-278. April 1939.
- ERRINGTON, P. L. Reactions of muskrat populations to drought. Ecology 20: 168-186. April 1939.
- GASKILL, J. O., and CLIMAX, J. C. Role of nitrogen in fungous thermogenesis. Plant Physiol. 14: 31-33. Jan. 1939.
- GIESE, H. Designing farm buildings for wind resistance. Agr. Engin. 20: 99-100, 103. March 1939.
- LEONARD, O. A. Translocation of carbohydrates in the sugar beet. Plant Physiol. 14: 55-74. Jan. 1939.
- MANEY, T. J. Rose understock breeding for 1938. Amer. Rose Ann. 1939: 92-95. 1939.
- SILVERMAN, M., and WERREMAN, C. H. Bacterial synthesis of cocarboxylase. Soc. Expt. Biol. and Med. Proc. 40: 369-372. March 1939. (M. Silverman, Iowa State Col.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

## Kansas

- BARGER, E. L. [and others] Proposed specifications for a standard tractor fuel. Agr. Engin. 20: 139-140. April 1939.
- CAULFIELD, W. J., and MARTIN, W. H. Certain factors affecting the phosphatase test when applied to ice cream. Jour. Dairy Sci. 22: 261-270. April 1939.
- GRIMES, W. E. Discussion of "The social effects of recent trends in the mechanization of agriculture," by C. H. Hamilton. Rural Sociol. 4: 23-25. March 1939.
- SWANSON, C. O., and DINES, F. T. The wheat-meal-time-fermentation test. II. Effect of proteases, protease activators, and protease inhibitors. Cereal Chem. 16: 168-177. March 1939.

## Kentucky

- BRUNER, D. W., and EDWARDS, P. R. A note on the monophasic non-specific Salmonella types. Jour. Bact. 37: 365-370. April 1939.
- BUCKNER, G. D., and GOOD, E. S. Chemical analysis and probable cause of urinary calculi formed in a yearling bull. [Abstract?] Ky. Acad. Sci. Trans. 7(1935-1937): 68. 1938.
- BUCKNER, G. D., INSKO, W. M., Jr., MARTIN, J. H., and HARMS, A. Distillers' dried grains and distillery slop in chicken rations. [Abstract?] Ky. Acad. Sci. Trans. v. 7(1935-1937): 69-70. 1938.
- McHARGUE, J. S., and LYONS, M. The distribution of orally administered arsenic in the tissues of animals, with special reference to its partition in rat blood. [Abstract?] Ky. Acad. Sci. Trans. v. 7(1935-1937): 70-71. 1938.
- McHARGUE, J. S. The necessity of some minor elements in the economy of plants and animals. Ky. Acad. Sci. Trans. (1935-1937): 38-52. 1938.
- McHARGUE, J. S., and HALL, W. K. The physiological significance of small amounts of arsenic. Effect on erythropoiesis. (A preliminary report). [Abstract?] Ky. Acad. Sci. Trans. v. 7(1935-37): 89. 1938.
- POUNDSTONE, A. B. Statistical measurement of agricultural contrasts. [Abstract?] Ky. Acad. Sci. Trans. v. 7(1935-1937): 72-73. 1938.

## Louisiana

- MILLER, J. C. Comparative methods and techniques in sweet potato breeding in Louisiana. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 15-18. [1939]
- SMITH, T. L. The demographic basis of old age assistance in the South. Social Forces 17: 356-361. March 1939.

## Maryland

- CORY, E. N., and GRAHAM, C. What the orchard survey disclosed in 1936. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 68-76. [1939]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Maryland (continued)

- DITMAN, L. P. Practical aspects of pea aphid control. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 136-141. [1939]
- LANGFORD, G. S. Resume of Japanese beetle retardation work in Maryland for 1938. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 118-120. [1939]
- McCONNELL, H. S. Spray injury studies in Maryland. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 115-117. [1939]
- MAHONEY, C. H. Cantaloupe breeding and strain improvement. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 134-135. [1939]
- SCHRADER, A. L. Plant thinning (spacing) of strawberries as it affects yields, plant growth and cultural methods. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 142-146. [1939]
- WALLS, E. P. New varieties of vegetables and how they behave in Maryland. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 125-133. [1939]

## Massachusetts

- FELLERS, C. R. Dextrose in the food industries and its health status. Amer. Jour. Public Health 29: 135-138. Feb. 1939.
- FELLERS, C. R. Experiments with dextrose in pickles and kraut. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 238. April 1939.

## Michigan

- NELSON, R. Two new diseases of Gladioli. Gladiolus Ann., 1939: 32-34, 36-37. 1939.
- SEATON, H. L. Practical pickle production from seed to salt. [Abstract] Fruit. Prod. Jour. and Amer. Vinegar Indus. 18: 239-240. April 1939.
- TROUT, G. M., and GJESSING, E. C. Ascorbic acid and oxidized flavor in milk. I. Distribution of ascorbic acid and occurrence of oxidized flavor in commercial grade A raw, in pasteurized irradiated, and in pasteurized milk throughout the year. Jour. Dairy Sci. 22: 271-281. April 1939.

## Minnesota

- CURRENCE, T. M. The Mingold tomato and the Duluth snap bean. Minn. Hort. 67: 65. April 1939.
- FENSTERMACHER, R., and POMEROY, B. S. Clostridium infection in turkeys. Cornell Vet. 29: 25-28. Jan. 1939.
- FITCH, C. P., and DODGE, R. E. Horses as possible means of spread of Bang's disease among cattle. Cornell Vet. 29: 29-31. Jan. 1939.
- HOYT, R. E., and LEVINE, M. "In vitro" studies on the action of sulfapyridine. Soc. Expt. Biol. and Med. Proc. 40: 465-467. March 1939. (R. E. Hoyt, Univ. Minn.)



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Minnesota (continued)

- MARKLEY, M. C., and BAILEY, C. H. The colloidal behavior of flour doughs. V. Comparison of the increase in mobility of doughs upon either prolonged mixing or fermentation with the effects of varied mixing times upon loaf characteristics. Cereal Chem. 16: 265-271. March 1939.
- MARKLEY, M. C., BAILEY, C. H., and HARRINGTON, F. L. The colloidal behavior of flour doughs. VI. Dough formation from flours of diverse types. Cereal Chem. 16: 271-279. March 1939.
- SANDO, L., and HUTCHINS, A. E. Gourd culture. Minn. Hort. 67: 63-64. April 1939.

## Mississippi

- JONES, T. N. Natural drying of forage crops. Agr. Engin. 20: 115-116. March 1939.
- ROBERT, J. C. Cultural experiments on tung trees. Conservationist and Amer. Tung Oil 6: 22. April 1939.

## Missouri

- ALBRECHT, W. A., and KLEMM, A. W. Limestone mobilizes phosphates into Korean lespedeza. Jour. Amer. Soc. Agron. 31: 284-286. April 1939.
- GUERRANT, R. E., and HOGAN, A. G. Effect of amino acids on anemia caused by deaminized casein. Jour. Biol. Chem. 128: 363-373. April 1939.
- HOUGHIN, O. B., GRAHAM, W. E., Jr., PETERSON, V. E., and TURNER, C. W. The chemical composition of the blood of the dairy goat. Jour. Dairy Sci. 22: 241-250. April 1939.
- REID, W. H. E. Nutritional and health values of frozen desserts. Ice Cream Trade Jour. 35: 20, 40. Feb. 1939.
- REINEKE, E. P., PETERSON, V. E., and TURNER, C. W. The partition of the serum globulins of the dairy goat. Jour. Biol. Chem. 128: 1-7. April 1939.

## Montana

- IVERSON, V. E. Crop performances as influenced by transplant fertilizer treatments. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts v. 4(1938): 8. 1938. Mimeographed.

## New Jersey

- BLAKE, M. A. Starting the young peach orchard. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 63-66. [1939]
- CLARK, J. H. Recent investigations with the strawberry and raspberry. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 56-61. [1939]
- DOEHLENT, C. A. Concluding report on the harvesting investigation. Amer. Cranberry Growers' Assoc. Proc. 69(1939): 9-12. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New Jersey (continued)

- LONGNECKER, T. C. The use of a Taylor phosphate slide comparator for the determination of phosphates in soil extracts. (Note) Jour. Amer. Soc. Agron. 31: 362-364. April 1939.
- STARKEY, R. L., and De, P. K. A new species of Azotobacter. Soil Sci. 47: 329-343. April 1939.
- WADLEIGH, C. H., and SHIVE, H. W. Base content of corn plants as influenced by pH of substrate and form of nitrogen supply. Soil Sci. 47: 273-283. April 1939.

## New York (Cornell)

- BAKER, D. W., and STONE, W. S. A study of Spirillum ovis infection in a group of ewes maintained under observation for two successive lambing seasons. Cornell 29: 32-34. Jan. 1939.
- BAKER, D. W. Survival of worm parasite infection on New York state pastures. Cornell Vet. 29: 45-48. Jan. 1939.
- FORBES, W. T. M. Iredescence. Ent. News 50(2): 40-44, illus.; (4): 101-104. Feb., April 1939.
- GUTHRIE, E. S., HAND, D. B., and SHARP, P. F. Expulsion of air proposed to prevent destruction of vitamin C and development of oxidized flavor in milk. Milk Plant Mo. 28: 26-28. April 1939.
- GUTHRIE, E. S., HAND, D. B., and SHARP, P. F. Oxygen in milk and its relation to destruction of vitamin C and the development of the oxidized flavor. N. Y. State Assoc. Dairy and Milk Inspectors Papers and Proc. 16(1938): 101-110. [1939?]
- HILDEBRAND, E. M. Currant mosaic. (Note) Phytopathology 29: 369-371. April 1939.
- MASSEY, L. M. Fungicides for roses. Amer. Rose Ann. 1939: 103-111. 1939.
- MYERS, W. I. The economic outlook for New York agriculture. N. Y. State Hort. Soc. Proc. 84(1939): 73-76. 1939.
- RECKNAGEL, A. B. Growth and development of Adirondack stands. (Note) Jour. Forestry 37: 346. April 1939.
- SCOVILLE, G. P. Prices and yields of McIntosh and other important varieties. N. Y. State Hort. Soc. Proc. 84(1939): 184-192. 1939.

## New York (State)

- CARPENTER, D. C. The influence of neutral salts on the optical activity of proteins and amino acids. Cold Spring Harbor Symposia on Quantitative Biol. 6: 244-249. 1938.
- COLLISON, R. C. Mulches and mulching. N. Y. State Hort. Soc. Proc. 84(1939): 164-172. 1939.
- CONN, H. J. Progress in the standardization of stains. Stain Tech. 14: 41-42. April 1939.
- DAHLBERG, A. C., HENING, J. C., and DURHAM, H. L. Reduction of milk losses in milk plants. N. Y. State Assoc. Dairy and Milk Inspectors Papers and Proc. 16(1938): 187-188, 190-194. [1939?]
- HAMILTON, J. M. Cherry diseases. N. Y. State Hort. Soc. Proc. 84(1939): 304-308. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (State) (continued)

- HEUBERGER, J. W., and HORSFALL, J. G. Relation of particle size and color to fungicidal and protective value of cuprous oxides. *Phytopathology* 29: 303-321. April 1939.
- HUCKER, G. J. Dairying in New Zealand. *N. Y. State Assoc. Dairy and Milk Inspectors Papers and Proc.* 16(1938): 85-86, 88-90. [1939?]
- PEDERSON, C. S. Factors responsible for kraut spoilage and their prevention. (Abstract) *Fruit Prod. Jour. and Amer. Vinegar Indus.* 18: 240. April 1939.
- PEDERSON, C. S. New methods of processing and preserving fruit juices. *N. Y. State Hort. Soc. Proc.* 84(1939): 146-150. 1939.
- RUTTLE, M. L., and NEBEL, B. R. Cytogenetic results with colchicine. *Biol. Zentbl.* 59: 79-87. 1939.
- TRESSLER, D. K. Some new uses for fruit: fruit utilization, past, present, and future. *N. Y. State Hort. Soc. Proc.* 84(1939): 132-139. 1939.

## North Carolina

- JONES, I. D., VEERBOFF, O. (With M. K. Veldhuis and J. L. ETCHELLS, U. S. Dept. Agr.) Experimental work on the manufacture of dill pickles under southern conditions. (Abstract) *Fruit Prod. Jour. and Amer. Vinegar Indus.* 18: 239. April 1939.
- SCHMIDT, R. Sweet potatoes: a summary of results of recent fertilizer experiments. *Com. Fert.* 58: 12-14. March 1939.

## North Dakota

- HANSON, H. C. Ecology in agriculture. *Ecology* 20: 111-117. April 1939.
- HARRIS, R. H., and JOHNSON, J., Jr. A study of gluten protein fractionation for sodium salicylate solution. Part IV. Effect of proteolytic enzymes, as influenced by class of wheat. *Cereal Chem.* 16: 279-289. March 1939.

## Ohio

- BURGWARD, L. H. (With E. M. GIBERSON, Ohio State Univ.) An evaluation of the various procedures for making phosphatase tests. *Jour. Milk Tech.* 1: 11-24. Nov. 1938.
- KNOOP, C. E., KRAUSS, W. E., and HAYDEN, C. C. Magnesium and vitamin D relationships in calves fed mineralized milk. *Jour. Dairy Sci.* 22: 283-289. April 1939.
- KRAUSS, W. E. Nutritional aspects of milk. *N. Y. State Assoc. Dairy and Milk Inspectors Papers and Proc.* 16(1938): 111-112, 114, 116-118. [1939?]

## Oregon



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Oregon (continued)

- BROWN, G. G. Production studies in an interplanted Hood River apple orchard. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 9. 1938. Mimeographed.
- CHRISTENSEN, B. E., HANSEN, E., CHELDELIN, V. H., and STARK, J. B. The determination of ethylene evolved by apples and pears. Science 89: 319-321. April 7, 1939. (B. E. Christensen, V. H. Cheldelin, and J. B. Stark, Oreg. State Col.)
- HANSEN, E. Effect of ethylene on certain chemical changes associated with the ripening of pears. Plant Physiol. 14: 145-161. Jan. 1939.
- McWHORTER, O. T. Zinc treatments for little leaf. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v. 4(1938): 2. 1938. Mimeographed.
- ROSENWALD, A. S., and DICKINSON, E. M. A report of swine erysipelas in turkeys. Cornell Vet. 29: 61-67. Jan. 1939.
- WIEGAND, E. H. Exhaust and sterilization. Canner 88(15): 18, 20, 44; (16): 17-18, 28. March 18 and 25, 1939.

## Pennsylvania

- DOAN, F. J. Problems related to homogenized milk. Jour. Milk Tech. 1: 20-25. Sept. 1938.
- FROST, S. W. Two new species of Agromyza from South America (Dipt.: Agromyzidae). Ent. News 50: 97-100. April 1939.
- KENNEDY, W. L., ANDERSON, A. K., BECHDEL, S. I., and SHIGLEY, J. F. Studies on the composition of bovine blood as influenced by gestation, lactation, and age. Jour. Dairy Sci. 22: 251-260. April 1939.
- NICHOLAS, J. E. Latest developments in cooling milk on the dairy farm. N. Y. State Assoc. Dairy and Milk Inspectors Papers and Proc. 16(1938): 29-34, 36. [1939?]
- THOMAS, W., and MACK, W. B. Foliar diagnosis: the influence of the soil on the action of fertilizers. Plant Physiol. 14: 75-92. Jan. 1939.
- STEVENSON, D. D., and BARTCO, R. A. The effect of spacing on the growth of Norway pine plantations - a progress report. Jour. Forestry 37: 315-319. April 1939.
- WILDE, E. I. A rose-production experiment at Pennsylvania state college. Amer. Rose Ann. 1939: 88-91. 1939.

## Puerto Rico

- COOK, H. T. Causes of virus diseases in plants. Sci. Mo. 48: 357-361. April 1939.

## Rhode Island

- WRIGHT, K. E. Transpiration and the absorption of mineral salts. Plant Physiol. 14: 171-174. Jan. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

## South Carolina

PADEN, W. R. The value of rapid chemical tests in determining the fertilizer requirements of soils. Com. Fert. 58: 15-16. March 1939.

## South Dakota

OLSON, O. E., and MOXON, A. L. The availability, to crop plants, of different forms of selenium in the soil. Soil Sci. 47: 305-311. April 1939.

## Texas

- BOUGHTON, I. B. Infectious entero-toxemia of lambs. Texas Agr. Workers' Assoc. [Proc.] 1939: 5p. 1939. Mimeographed.
- COPELAND, O. C. Carotene requirements of dairy cattle. Texas Agr. Workers' Assoc. [Proc.] 1939: 5 p. 1939. Mimeographed.
- COVER, S. On the way toward tender meat. Texas Agr. Workers' Assoc. [Proc.] 1939: 3p. 1939. Mimeographed.
- DAMERON, W. H. Western bitterweed control studies. Texas Agr. Workers' Assoc. [Proc.] 1939: 5p. 1939. Mimeographed.
- FRAPS, G. S. Non- acid forming fertilizers. Amer. Fert. 90: 14. April 1, 1939.
- GODFREY, G. H. The open season for potato blight. Texas Farming and Citriculture 15: 16-17. April 1939.
- HALE, F. A parade of some Texas swine experiments. Texas Agr. Workers' Assoc. [Proc.] 1939: 4p. 1939. Mimeographed.
- HAMILTON, C. H. The social effects of recent trends in the mechanization of agriculture. Rural Social 4: 3-19. March 1939.
- HANSON, F. E. Some factors affecting the body and texture of Texas butter. Texas Agr. Workers' Assoc. [Proc.] 1939: 3p. 1939. Mimeographed.
- HENSEL, R. L. Range and pasture research in Texas. Texas Agr. Workers' Assoc. [Proc.] 1939: 3p. 1939. Mimeographed.
- JACKSON, A. D. Agricultural research in Texas. Texas Agr. Workers' Assoc. [Proc.] 1939: 6p. 1939. Mimeographed.
- JONES, J. H. Cattle feeding experiments. Texas Agr. Workers' Assoc. [Proc.] 1939: 3p. 1939. Mimeographed.
- JONES, J. M. Mineral deficiency studies with lambs and range cattle. Texas Agr. Workers' Assoc. [Proc.] 1939: 5p. 1939. Mimeographed.
- PEARSON, P. B., SCHMIDT, H., and MACKEY, A. K. Effect of a pellagra-producing diet on Herbivora. Soc. Expt. Biol. and Med. Proc. 40: 423-425. March 1939.
- RATSEK, J. C. Increasing rose profits through research. Texas Agr. Workers' Assoc. [Proc.] 1939: 2p. 1939. Mimeographed.
- SHERWOOD, R. M. Vitamin and mineral requirements of poultry. Texas Agr. Workers' Assoc. [Proc.] 1939: 4p. 1939. Mimeographed.
- SMITH, H. P. Some needed engineering developments in southern fare machinery. Com. Fert. 58: 29-34. March 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Texas (Continued)

- TAYLOR, W. P. Wildlife conservation in the farm and ranch program. Texas Agr. Workers' Assoc. [Proc.] 1939: 6p. 1939. Mimeographed.
- WARWICK, B. L., and DAVIS, S. P. Primitive sheep and their relation to modern sheep and wool production. Texas Agr. Workers' Assoc. [Proc.] 1939: 4p. 1939. Mimeographed.
- YARNELL, S. H. New or noteworthy strawberries for Texas. Texas Agr. Workers' Assoc. [Proc.] 1939: 2p. 1939. Mimeographed.

## Virginia

- COOK, H. T., and NUGENT, T. J. Fusarium wilt resistant watermelons. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 30-38. [1939] (Va. Truck)
- EDWARDS, A. D. A study of Virginia's rural marginal population. Social Forces 17: 385-395. March 1939.
- PARKER, M. M. The results of fertilizer placement with vegetable crops. Peninsula Hort. Soc. [Del.] Trans. 52(1938): 23-29. [1939] (Va. Truck)
- SMITH, A. G., Jr. V. P. I. Rose experiments. Amer. Rose Ann. 1939: 81-84. 1939.

## Washington

- BURK, E. F. Effect of location of hotbed heating cable upon the development of the seedlings. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v.4(1938): 7. 1938. Mimeographed.
- DUMMEIER, E. F. The present economic problems of the apple industry in the Pacific Northwest. Wash. State Hort. Assoc. Proc. 34(1938): 88-93. [1939]
- EICHMANN, R. D. Pea aphid population on alfalfa and canning peas during 1937. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v.4(1938): 11. 1938. Mimeographed.
- HERMANN, W., and ESLICK, R. Susceptibility of seedling grasses to damage by grasshoppers. Jour. Amer. Soc. Agron. 31: 333-337. April 1939.
- HOLLANDS, H. F. Economics of the pear industry of the Pacific Coast. Wash. State Hort. Assoc. Proc. 34(1938): 94-103. [1939]
- MARSHALL, H., GROVES, K., and FALLSCHEER, H. Cryolite in codling moth control and a new procedure for its application. Wash. State Hort. Assoc. Proc. 34(1938): 123-130. [1939]
- MARSHALL, J., STREW, S., and GROVES, K. The influence of physical characteristics of arsenical deposits on codling moth control. Wash. State Hort. Assoc. Proc. 34(1938): 133-135, 137-139. [1939]
- MORRIS, O. M. Orchard cover crop studies. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v.4(1938): 4. 1938. Mimeographed.
- MORRIS, O. M. The tolerance of various orchard cover crops to arsenical toxicity in the soil. Wash. State Hort. Assoc. Proc. 34(1938): 110-112. [1939]



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Washington (continued)

- OVERHOLSER, E. L. The response of fruit trees in Washington to certain minor elements. Northwest Assoc. Horticulturists, Entomologists, and Plant Pathologists. Abstracts of Papers v.4(1938): 1. 1938. Mimeographed.
- OVERLY, F. L., and OVERHOLSER, E. L. Some experimental findings of interest to fruit growers. Wash. State Hort. Assoc. Proc. 34(1938): 113-122. [1939]
- OVERHOLSER, E. L., OVERLEY, F. L., WOOTON, L. B., and ROGERS, J. B. Fruit tree response as affected by fertilizer and minor element deficiencies. Wash. State Hort. Assoc. Proc. 34(1938): 73-87. [1939]
- VANDECAVEYE, S. C., KEATON, C. M., and KARDOS, L. T. Some factors affecting the toxicity of arsenical spray accumulations in the soil. Wash. State Hort. Assoc. Proc. 34(1938): 150-158. [1939]
- WEBSTER, R. L. Progress in the mite control. Wash. State Hort. Assoc. Proc. 34(1938): 7-12. [1939]

## West Virginia

- LILLY, V. G., and LEONIAN, L. H. Vitamin B<sub>1</sub> in soil. Science 89: 292. March 31, 1939.

## Wisconsin

- DUFFEE, F. W. Low-pressure sprinkler irrigation. Agr. Engin. 20: 97-98. March 1939.
- FROST, D. V., and ELVEHJEM, C. A. Factor W and its relation to the vitamin B complex. Jour. Biol. Chem. 128: 23-34. April 1939.
- McCARTER, J., KANNE, E. M., and HASTINGS, E. G. Precipitins for the tuberculin proteins of acid-fast bacteria. Jour. Bact. 37: 461-469. April 1939.
- PETERSON, E. H., and HASTINGS, E. G. A study of the possible relationship between nonspecific mastitis and streptococcic infection of the bovine udder. Cornell Vet. 29: 11-24. Jan. 1939.
- SCHNEIDER, H., and STEENBOCK, H. A low phosphorus diet and the response of rats to vitamin D<sub>2</sub>. Jour. Biol. Chem. 128: 159-171. April 1939.
- STRUCKMEYER, B. E., and ROBERTS, R. H. Phloem development and flowering. Bot. Gaz. 100: 600-606. March 1939.
- WEBER, J., IRWIN, M. H., and STEENBOCK, H. Vitamin E destruction by rancid fats. Amer. Jour. Physiol. 125: 593-600. March 1, 1939.
- WILDE, S. A. (With D. P. WHITE, Univ. Wis.) Damping-off as a factor in the natural distribution of pine species. (Note) Phytopathology 29: 367-369. April 1939.
- WILDE, A. S. (With R. WITTENKAMP, Wis. Conserv. Dept.) The phosphate and potash starvation of forest seedlings as a result of the shallow application of organic matter. Jour. Forestry 37: 333-335. April 1939.

## Wyoming

- BRADLEY, W. B., BEATH, O. A., and EPPSON, H. F. Oat hay poisoning. Science 89: 365. April 21, 1939

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1939\*

## Florida

- HOWARD, R. H. Cost of producing celery on everglades organic soils, Season 1937-38. (Fla. Univ. Agr. Ext. Celery AE 1.) Gainesville, 1939. Mimeographed.

## Georgia

- BROWN, W. S. Georgia farms go forward! 1938 annual report Georgia Agricultural Extension Service. (Ga. Agr. Col. Ext. Bul. 470.) Athens, [1939]

## Hawaii

- TOWER, B. A. Poultry enemy no. 1, blindness and paralysis in poultry. (Hawaii Univ. Agr. Ext., Agr. Circ. 1.) Honolulu, 1939.
- HANSON, K. I., and MURATA, K. Summary of shipments of fruit and vegetables from Hawaii to the mainland, 1931-1938. (Hawaii Univ. Agr. Ext. Circ. 3.) Honolulu, 1939. Mimeographed.
- HANSON, K. I., and MURATA, K. Annual summary of fruit and vegetable un-loads in Honolulu, 1938. (Hawaii Univ. Agr. Ext. Circ. 4.) Honolulu, 1939. Mimeographed.

## Illinois

- HUELSSEN, W. A. Wilt-resistant tomato varieties released by the Illinois station. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 490.) Urbana, 1939.
- Revision of Circ. 448.
- HUELSSEN, W. A. Problems in growing tomatoes in Illinois. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 491.) Urbana, 1939.
- Bibliography, p. 48.
- Sleeping sickness (encephalomyelitis) Your horse can be saved. Ill. Univ. Agr. Ext. Urbana [1939]

## Indiana

- ANDERSON, S. A., and SCHWAB, J. W. Practical hog houses for Indiana. Purdue Univ. Agr. Ext. Bul. 76, fifth rev. ed.) Lafayette, 1939.
- CARRICK, C. W., and MAYER, I. D. A portable brooder house. (Purdue Univ. Agr. Ext. Bul. 148, 2d rev.) Lafayette, 1939.
- MONTGOMERY, B. E. Recognition and control of honeybee brood diseases. (Purdue Univ. Agr. Ext. Bul. 212, rev. ed.) Lafayette, 1938.

---

\*Prepared in the Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1939

## Indiana (continued)

- REDFIELD, Gail M. Selection, operation, and care of electric household equipment. (Purdue Univ. Agr. Ext. Bul. 215, rev.) Lafayette, 1938.
- BEADLE, Aneta. Breads made at home. (Purdue Univ. Agr. Ext. Bul. 234.) Lafayette, 1939.
- VESTAL, C. M. Comparative values of hog feeds. (Purdue Univ. Agr. Ext. Leaflet 156, 2d rev.) Lafayette, 1938.
- Rations for swine. Department of Animal Husbandry. (Purdue Univ. Agr. Ext. Leaflet 157, 3d rev. ed.) Lafayette, 1939.
- FROST, J. T. Dressing and curing meat on the farm. (Purdue Univ. Agr. Ext. Leaflet 173, rev.) Lafayette, 1939.
- SCHWAB, J. W. How to grow thrifty spring pigs. (Purdue Univ. Agr. Ext. Leaflet 208, rev.) Lafayette, 1938.
- SCHWAB, J. W. Feeding spring pigs on pasture. (Purdue Univ. Agr. Ext. Leaflet 214.) Lafayette, 1939.

## Kentucky

- FISH, E. E., and KINNEY, E. J. Corn project for 4-H clubs. (Ky. Agr. Col. Ext. Circ. 82, rev.) Lexington, 1939.
- WILFORD, E. J., and FISH, E. E. Pig projects for 4-H clubs. (Ky. Agr. Col. Ext. Circ. 193, rev.) Lexington, 1939.
- GARDNER, J. S. Garden projects for 4-H clubs. (Ky. Agr. Col. Ext. Circ. 222, rev.) Lexington, 1939.
- Peach and plum spray schedule. (Ky. Agr. Col. Ext. Circ. 293, rev.) Lexington, 1939.
- Apple spray schedule. (Ky. Agr. Col. Ext. Circ. 294, rev.) Lexington, 1939.
- Blue mold(downy mildew) of tobacco and its control. (Ky. Agr. Col. Ext. Circ. 329.) Lexington, 1939.
- Report prepared cooperatively by a committee composed of representatives from Duke University, the agricultural experiment stations and extension services of Virginia, North Carolina, and South Carolina and the North Carolina Department of Agriculture. Reprinted by permission of the committee.
- PRICE, W. A., arranger. Suggestions for the control of tobacco insects in 1939. (Ky. Agr. Col. Ext. Circ. 331.) Lexington, 1939.

## Maine

- DAKIN, LEONE M. Canning and preserving. (Maine Agr. Col. Ext. Bul. 186, rev.) Orono, 1938.
- HUBER, M. G. The homemade stave silo. (Maine Agr. Col. Ext. Bul. 256.) Orono, 1939.
- TALBOT, R. F. Grass and legume silage. (Maine Agr. Col. Ext. Bul. 260.) Orono, 1939.
- HUBER, M. G., and TALBOT, R. F. The electric fence and pasture management. (Maine Agr. Col. Ext. Bul. 261.) Orono, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1939

## Maine (continued)

- REED, F. D. Stepping stones to poultry profits, step the fifth: Avoid crowding. (Maine Agr. Col. Ext. Circ. 127.) Orono, 1939.
- REED, F. D. Stepping stones to poultry profits: Step the sixth, good ranges. (Maine Agr. Col. Ext. Circ. 128.) Orono, 1939.

## Maryland

- Maryland chicks of quality: A list of flocks and hatcheries qualifying under the Maryland poultry improvement plan. (Md. Univ. [Agr.] Ext. Circ. 132.) College Park, 1939.

## Massachusetts

- FOLEY, MAY E. Build better babies. Food for the infant. (Mass. State Col. Ext. Leaflet 127, rev.) Amherst, 1939.

## Michigan

- DAVIDSON, J. A. Feeding for egg production. (Mich State Col. Ext. Bul. 51 [rev.]) East Lansing, 1939.
- MUNCIE, J. H. Controlling vegetable diseases in seedbed and coldframe. (Mich. State Col. Ext. Bul. 200.) East Lansing, 1939.

## Minnesota

- ANDERSON, P. O. Planting the standard windbreak. (Minn. Univ. Agr. Ext. Bul. 196.) University Farm, St. Paul, 1939.
- PETERS, W. H., and MORRIS, W. E. Fattening lambs. (Minn. Univ. Agr. Ext. Folder 37 [rev.]) University Farm, St. Paul, 1939.

## Missouri

- JONES, G. D., and MARTIN, T. T. Entomology. II- 4-H beekeepers' club. (Mo. Agr. Col. Ext. 4-H Club Circ. 61.) Columbia, 1939.
- JONES, G. D., and MARTIN, T. T. Leaders' guide, entomology. II-4-H beekeepers' club (to be used with Club Circ. 61) (Mo. Agr. Col. Ext. 4-H Club Circ. 61 [Sup.]) Columbia, 1939.
- WOOLEY, J. C., and others. Water and sewage disposal for farm homes. (Mo. Agr. Col. Ext. Circ. 401.) Columbia, 1939.

## New Mexico

- TOLBERT, W. H. 4-H beef calf club. (N. Mex. Agr. Col. Ext. Circ. 155.) State College, 1938.
- WUNSCH, W. A. New Mexico agricultural outlook for 1939. (N. Mex. Agr. Col. Ext. Circ. 160.) State College, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1939  
(continued)

## New York

- JONAS, CLARA E. Kitchen storage space. (N. Y. Agr. Col. (Cornell) Ext. Bul. 398.) Ithaca, 1938.  
The New York state 1939 agricultural outlook. (N. Y. Agr. Col. (Cornell) Ext. Bul. 400.) Ithaca, 1939.  
HILDEBRAND, E. M. Fire blight and its control. (N. Y. Agr. Col. (Cornell) Ext. Bul. 405.) Ithaca, 1939.  
HART, V. B. Land use in New York. (N. Y. Agr. Col. (Cornell) Ext. Bul. 406.) Ithaca, 1939.

## Ohio

- PARKS, T. H., ALLISON, C. C. The control of garden insects and diseases. (Ohio Agr. Col. Ext. Bul. 76, 9th ed. [rev.]) Columbus, 1938.  
PARKS, T. H. Injurious household pests and their control. (Ohio Agr. Col. Ext. Bul. 97, rev.) Columbus, 1939.  
Spraying program and pest control for fruit crops. Prepared by the Departments of Botany, Entomology, and Horticulture of the Ohio State University. (Ohio Agr. Col. Ext. Bul. 128, 7th ed. [rev.]) Columbus, 1939.

## Oklahoma

- ARNOLD, D. M., and BEALL, F. W. 4-H pig club manual. (Okla. Agr. Col. Ext. Circ. 137, rev.) Stillwater, 1939.  
CROSS, F. B., and LOCKE, L. F. Grapes in Oklahoma. (Okla. Agr. Col. Ext. Circ. 254, rev.) Stillwater, 1939.  
GREENWOOD, THELMA Practical methods of refinishing furniture. (Okla. Agr. Col. Ext. Circ. 265, rev.) Stillwater, 1939.  
CERVENY, CLARA C. Every day salads. (Okla. Agr. Col. Ext. Circ. 283, rev.) Stillwater, 1938.  
THOMPSON, MAE Pattern alteration. Originally prepared by Martha Merrifield. (Okla. Agr. Col. Ext. Circ. 327, rev.) Stillwater, 1939.  
CARMICHAEL, ELIZABETH S. Recreation manual for home demonstration clubs. (Okla. Agr. Col. Ext. Circ. 358.) Stillwater, 1938.  
References, p. 37.  
THOMPSON, MAE Foundation patterns. (Okla. Agr. Col. Ext. Circ. 362.) Stillwater, 1939.  
GOODMAN, BONNIE Home laundry management. (Okla. Agr. Col. Ext. Circ. 363.) Stillwater, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1939  
(continued)

## Oregon

- SCULLEN, H. A. Beekeeping in Oregon. (Oreg. State Col. Ext. Bul. 513.)  
Corvallis, 1938.
- BOUQUET, A. G. B. Fertilizers for vegetable crops. (Oreg. State Col.  
Ext. Bul. 524.) Corvallis, 1939.
- BOUQUET, A. G. B. The farm vegetable garden. (Oreg. State Col. Ext. Bul.  
525.) Corvallis, 1939.

## Pennsylvania

- MURPHEY, F. T. Managing the farm woodland. (Penn. State Col. Ext. Circ.  
207.) State College, 1938.
- RUEF, J. U. Manufacture of vinegar. (Penn. State Col. Ext. Leaflet 63.)  
State College, 1938.

## South Carolina

- First steps in better living for farm families. (Clemson Agr. Col. (S. C.)  
Ext. Inform. Card 50.) Clemson, 1938.

## Texas

- BENTLEY, M. R. Terracing in Texas. (Texas Agr. Col. Ext. [Bul.] B-51 [rev.])  
College Station, 1938.
- ROSBOROUGH, J. F. Gardening. (Texas Agr. Col. Ext. [Bul.] B-70 [rev.])  
College Station, 1938.
- CLAYTOR, BERNICE From rags to rugs. (Texas Agr. Col. Ext. [Bul.] B-77  
[rev.]) College Station, 1938.
- MCCARTHY, G. P. Growing baby chicks. (Texas Agr. Col. Ext. [Bul.] B-83  
[rev.]) College Station, 1938.
- EUDALY, E. R., and BENTLEY, M. R. Trench silos. (Texas Agr. Col. Ext.  
[Bul.] B-84 [rev.]) College Station, 1938.
- McINNIS, ZETHA D. Preparation of fowls for home and market. Revised by  
Grace I. Neely. (Texas Agr. Col. Ext. [Bul.] B-83 [rev.]) College  
Station, 1938.
- MCCARTHY, G. P. Feeding for egg production. (Texas Agr. Col. Ext. [Circ.]  
C-53 [rev.]) College Station, 1938.
- ROSBOROUGH, J. F. Tomato growing in Texas. (Texas Agr. Col. Ext. [Circ.]  
C-62 [rev.]) College Station, 1938.
- ROSBOROUGH, J. F. Growing asparagus. (Texas Agr. Col. Ext. [Circ.] C-82  
[rev.]) College Station, 1938.
- ROSBOROUGH, J. F. Radishes. (Texas Agr. Col. Ext. [Circ.] C-82.[rev.])  
College Station, 1938.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING APRIL 1939

## Texas (continued)

- THORNTON, M. K., jr., and MILLER, E. A. Soils and how to treat them.  
(Texas Agr. Col. Ext. [Circ.] C-134.) College Station, 1939.  
WILLIAMSON, H. H. Texas Extension work for 1938, summarized. Annual  
report of the Texas Extension service summarized for the year 1938.  
Texas Agr. Col. Ext. March 1939.

## Vermont

- BROOKS, CHARLOTTE P. Selecting kitchen equipment. (Vt. Agr. Col. Ext.  
Brieflet 524.) Burlington, 1939. Mimeographed.  
BROOKS, CHARLOTTE P. Knives and sharp-edged tools for the kitchen.  
(Vt. Agr. Col. Ext. Brieflet 525.) Burlington, 1939. Mimeographed.  
BROOKS, CHARLOTTE P. Beaters and mixing bowls for the kitchen. (Vt.  
Agr. Col. Ext. Brieflet 526.) Burlington, 1939. Mimeographed.  
SOMMERFELD, EDNA Foot health and foot comfort. (Vt. Agr. Col. Ext.  
Brieflet 527.) Burlington, 1939. Mimeographed.

## Virginia

- Make the farm make the living. Suggestions by Virginia Extension Service.  
(Va. Agr. Col. Ext. Bul. 145.) Blacksburg, 1939.  
BRIGHAM, R. A challenge to extension workers. (Va. Agr. Col. Ext. Div.  
News v. 21, no. 6, p. 1, 4-5.) Blacksburg, 1939.

## West Virginia

- SUDDS, R. H., and MARSH, R. S. Training and pruning fruit trees. (W.Va.  
Agr. Col. Ext. Circ. 323.) Morgantown, 1939.

## Wisconsin

- WRIGHT, A. H., and others. Hybrid corn in Wisconsin. (Wis. Agr. Col.  
Ext. Circ. 291.) Madison, 1939.  
Stabilizing dairy prices. (Wis. Agr. Col. Ext. Econ. Inform. for Wis.  
Farmers v. 10, no. 2. Spec. Circ.) Madison, 1939.  
How can dairy incomes be increased? (Wis. Agr. Col. Ext. Econ. Inform.  
for Wis. Farmers v. 10, no. 3, Spec. Circ.) Madison, 1939.

SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during April 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Agricultural Adjustment Administration

Schools for agricultural leaders; what is a desirable national agricultural program? 4p. (DN-3) 1.4 Ad472D

Selling credit to consumers. 1939. 6 p. Issued by Consumers' counsel division. (CS-64) 1.94 Ad422Cs

Some suggestions on AAA picture stories. 1939. 3 p. [Prepared by division of information, Agricultural adjustment administration]  
1.94 Ad45So

Bureau of Agricultural Economics

Analysis of interregional competition in agriculture. Prepared by Sherman E. Johnson and others. April 1939. 74 p. 1.9 Ec762An

Car-lot shipments of fruits and vegetables by commodities, states and months...calendar year 1938. Preliminary, subject to revision. March 1939. 28 p. 1.9 Ec752Ca

Dairy and poultry market statistics. 1938 annual summary. March 1939. 46 p. 1.9 Ec724An

Evolution of the land use program of the United States Department of Agriculture. By L. C. Gray. 1939. 9 p. Address, BAE conference on agricultural planning, Washington, D. C., March 22, 1939. 1.9 Ec7Gra

Farm labor conditions in Gloucester, Hunterdon, and Monmouth counties, New Jersey, April-May, 1936. By Josiah C. Folsom. February 1939. 51 p. 1.9 Ec763Flc

Farm production and disposition. Chickens and eggs. 1937-1938. Chickens on farms, January 1, 1938-1939. By states. March 1939. 18 p. 1.9 Ec71Fpc

Farm production and income from meat animals by states. 1937/38. April 1939. 21 p. 1.9 Ec71Fp

The role of the enzymes in the relative value of cottonseed. By G. S. Meloy. 6 p. Address, Valley division, National cottonseed products association, Hot Springs, Ark., April 13, 1939. 1.9 Ec733Mel

---

\* Bibliographies included in general list of bibliographies on page 248.

\*\* For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF PROCESSED PUBLICATIONS

## Bureau of Agricultural Economics (continued)

Suggestions to prospective farmers and sources of information concerning the agriculture of a given region. April 1939. 35 p. 1.9 Ec76S

Texas cotton; estimated acreage, yield and production 1928-1937. By counties. April 1939. 26 p. 1.9 Ec71Eac

The world citrus situation. April 20, 1939. 26 p. 1.9 Ec752Wci

## Bureau of Agricultural Engineering.

European observations on American cotton packaging. By S. H. McCrory. 1939. 5 p. Address before 28th annual convention of the Texas cotton association, Houston, Texas, March 31, 1939. 1.9 En3Eu

## Bureau of Animal Industry

Periodic ophthalmia. March 31, 1939. [2] p. Issued by Pathological division. 1.9 An56Pa

Producing high-quality market eggs. March 1939. 2 p. (A.H.D. no. 32) 1.9 An52Ah

State participation in the National poultry improvement plan, April 1, 1939. Revised April 1939. 5 p. (A.H.D. no. 25, revised)

## Bureau of Biological Survey

How the Biological survey can assist in developing a unified agricultural program. By Albert M. Day. 1939. 5 p. Address delivered at a conference of the Bureau of agricultural economics, Washington, D. C., March 21, 1939. 1.9 B521H

Seasonal fox rations and quantities to feed. By C. F. Bassett. 1939. 3 p. (Wildlife Research and Management Leaflet BS-130) Issued by Section of fur resources, Division of wildlife research. 1.9 B524W

Some California wildlife-forest relationships. By E. E. Horn. 1939. 5 p. (Wildlife Research and Management Leaflet BS-132) Issued by Section of wildlife surveys, Division of Wildlife research. 1.9 B524W

Suggestions on attracting birds, with reference to available literature. 1939. 5 p. (Wildlife Research and Management Leaflet BS-131) 1.9 B524W

Those sporting plurals. By W. L. McAtee. March 1939. 3 p. 1.9 B52Th



SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Bureau of Dairy Industry

Utilization of lactic acid. By Lee T. Smith and H. V. Claborn. 1939.  
4 p. (BDIM-845) Presented at meeting of the American chemical  
society, Baltimore, Md., April 1939. 1.9 D14Bd

Extension Service

Foreign agricultural and home economics extension activities. Compiled  
by Surveys and reports section, M. C. Wilson, in charge. Feb. 1939.  
25 p. (Extension service circular 301) 1.9 Ex892Esc

Home demonstration work moves forward. By Ola Powell Malcolm. March  
1939. 37 p. (Extension service circular 303) 1.9 Ex892Esc

Farm Security Administration

History of the Farm Security administration. [1939] 12 p. 1.95 H62

Medical care plans for low income farm families. Developed by the Farm  
security administration. April 10, 1939. 13 p. 1.95 M46M

Federal Surplus Commodities Corporation

Facts about the food stamp plan to be tried out in Rochester upon an  
experimental basis. April 20, 1939. 5 p. 1.9 Su7F

Forest Service

American woods. Sycamore (*Platanus occidentalis*) By H. S. Petts.  
March 1939. 7 p. 1.9 F76Am

Compilation of state laws on forestry and certain related subjects for  
the state of Oklahoma. 1938 revision. April 13, 1939. Issued by  
Division of state cooperation. 1.9 F7681C

Condensation problems in modern buildings. By L. V. Teesdale. 1939.  
10 p. Issued by Forest products laboratory, Madison Wisconsin, in  
cooperation with University of Wisconsin. (R 1196) Presented  
before Conference on air conditioning, University of Illinois,  
Urbana, Ill., Mar. 8-9, 1939. 1.9 F761R

Foreign woods imported into the United States. February 1939. 17 p.  
Issued by Division of forest products. 1.9 F76Fwi

SELECTED LIST OF PROCESSED PUBLICATIONS

## Forest Service (continued)

Forest statistics for Pacific county, Washington from the inventory phase of the forest survey. Portland, Oreg., 1939, 18 p. Issued by Forest and range experiment station, Pacific northwest.  
1.9 F7629Fsta

Further experiments in the planing of hardwoods. By E. M. Davis. 1939. 10 p. Issued by Forest products laboratory, Madison, Wis. (R 1195) Presented before the meeting of the American Society of mechanical engineers at High Point, N. C., Sept. 22-23, 1938. 1.9 F761R

Planting trees to observe the D. A. R. golden jubilee. By Helen W. Gordon, Region 7, U. S. Forest service and Inez S. Warthen, Chairman, Conservation committee, National society, Daughters of the American revolution. [1939] 7 p. 1.9 F7668P

## Graduate School

Scientific attitudes in Great Britain and America. By F. R. Moulton. 1939. 23 p. Lecture I of a series of ten lectures and discussions on Science: its history, philosophy and relation to democracy, held at the U. S. Department of agriculture Graduate school under chairmanship of M. L. Wilson. Edited by W. Edwards Deming. 1.9 Ag81Els

## Division of Marketing and Marketing Agreements

Economic statement relating to tomatoes grown in Mississippi for marketing in fresh form. General crops section, Economic analysis unit. April 1939. 36 p. Prepared in connection with the consideration of a proposed marketing agreement for tomatoes grown in the state of Mississippi. 1.94 Sp3Ec Tomatoes

North-central states apple survey. 1937 crop. [Economic analysis unit. April 1939] 33 p. Issued by General crops section. 1.94 Sp3Nor

## Office of the Solicitor

Administrative procedure and practice in the Department of agriculture under the Agricultural marketing agreement act of 1937. Prepared under the direction of Mastin G. White, by Ashley Sellers. 1939. 120 p. 1.9So45A

SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Bureau of Plant Industry

Reaction of wheat varieties and related species to powdery mildew in the greenhouse. April 11, 1939. 7 p. Issued by Division of cereal diseases and crops. 1.9 P6917Rw

Sand dune control in the Pacific northwest. By H. A. Schoth. March 1939. 5 p. Issued by Division of forage crops and diseases. 1.9 P691Sa

Seedling identification - Soybeans. By W. A. Davidson. March 3, 1939. 5 p. Issued by Division of Seed investigations. 1.9 P69122Si

Soil surveys of Mississippi. [3 p.]; Soil surveys of Massachusetts [2 p.]; Soil surveys of Florida [3 p.] 1.9 So32

The tung tree. By H. L. Crane. April 1, 1939. 9 p. Issued by Division of Fruit and vegetable crops and diseases. 1.9 P6915T

Soil Conservation Service

Conservation of the soil; a unit for elementary schools developed by the Fairbrother-Rossell school, Washington, D. C. in cooperation with the Soil conservation service, U. S. Department of agriculture. Division of cooperative relations and planning, Section of information. March 1939. [34] p. 1.96 R27Co

Contour planting and terracing as a basis for soil and water conservation in orchards. By John T. Bregger. 1939. 12 p. Address delivered before 35th annual session of American society for horticultural science, Richmond, Virginia, Dec. 28, 1938. 1.96 Ad6Mm

Report of proceedings of the Regional agronomists and range examiners conference, Washington, D. C., Nov. 9-15, 1938. 118 p. 1.96 Op2Ag

Underflow in Lake Lee, North Carolina. By Jack L. Hough. 1939. 4 p. (Reprinted from Civil Engineering for January 1939) 1.96 Ad6Mm

Water management. By H. H. Finnell...Prepared from a series of 14 radio discussions broadcast over KGNC, Amarillo, Texas. [1939] 14 p. Issued by Region 6, Amarillo, Texas. 1.9606 W31

Weather Bureau

Weather code (numeral system) 1939. 72 p. 1 W375W



-----

THE JOURNAL OF THE MINISTRY OF AGRICULTURE, LONDON

The April 1939 issue of "The Journal of the Ministry of Agriculture", London, contains in its leading editorial the following statement about the scope of the journal:

"With this issue, the Journal of the Ministry of Agriculture commences its forty-sixth annual volume. Over so long a time, there have naturally been many changes, both in its form as well as in its contents. In its earlier period, the Journal was probably of most value to the scientific staffs of county councils, to lecturers, etc., who found in it a means of keeping in touch with the Department and with agricultural educational and research work in the country. In view, however, of the spread of agricultural education and the almost universal extension of scientific methods to farming since the Journal was first published, it is now possible to address a very much larger audience. The working farmer of today welcomes the opportunity of being kept in touch with recent developments, and the present Journal, therefore, aims at disseminating to the general farming public the results of scientific research applied to agriculture, by means of articles which are informative, easy to read and of practical application. And since, to the practical man, the example of what other farmers are attempting is always of interest, provision is made to include in each issue articles by practical men. 'Science and Practice' expresses the present purpose of the Journal.

"In compiling the Journal month by month the Editor has been greatly assisted by a number of regular contributors who have dealt with such subjects as the problems of feeding, of manuring, or agricultural machinery, or the monthly operations on the farm. Most of these features will be continued. Dr. Charles Crowther, the distinguished Principal of Harper Adams College, whose articles on animal feeding over the last three years have been much appreciated, has, however, been compelled to relinquish his series. To him, and to Dr. R. W. Wheldon, who is also discontinuing, the thanks of the Journal and its readers are due. We have, however, been fortunate to secure as a regular contributor, Dr. Norman Wright, Director of the Hannah Dairy Research Institute, Ayr. Dr. Wright's series of articles, of which the first contribution, in conjunction with Dr. S. Morris, appears this month, on the feeding standards for farm animals, promises to be of practical value.

"Not only have the contents of the Journal undergone modification as circumstances required, but its appearance has also changed with the years. Hitherto, whatever the colour of the cover - green, brown, or battleship grey - the general appearance has been unobtrusive, but an attempt is being made with this issue to bring the general format of the Journal more into line with the other publications of the Department."

JOURNALS OR MICRO-FILMS?

(This article is reprinted from *The Lancet*, London, Vol. CCXXXVI, No. 6071 (Vol. I, 1939, No. XIII), April 1, 1939)

"Ideally every investigator should be acquainted at every stage of his work, with all the relevant results obtained by other people. Without such knowledge he may be ill-equipped for his task and may waste time and labour on what has already been done elsewhere. It was to meet this need for current knowledge that the system of publication by papers in periodicals developed, and in the early days of modern science it served its purpose well enough. Now, however, the system is clearly failing. The number of scientific periodicals is somewhere between 30,000 and 40,000, of which perhaps half are still being issued, and they continue to increase both in number and in size. To make matters worse a very large proportion of the papers they contain - some would say three-quarters - do not really deserve to be published at all; often they have been written only because published work is expected by the authorities who fill appointments and renew grants. Through misdirected zeal, local patriotism, and the tradition of learned societies journals are often kept going long after the need for them has ceased, and unions of overlapping periodicals, of the kind that gave birth to the *British Journal of Ophthalmology* over twenty years ago, are far too few. The general tendency indeed is towards separation rather than amalgamation. But the overgrowth of periodicals is obviously defeating its own ends. A scientific worker, unless he devotes an excessively large proportion of his time to reading, can cover only a small fraction of the papers even on his particular subject, and he is obliged to peruse much that is useless for fear of missing something useful. Moreover, the cost of subscriptions to societies and to journals - of whose contents he probably reads less than a tenth - is a serious drain on his purse and may use up as much as 5-10 per cent of his salary. If he relies on libraries he may find that the periodicals he requires are wanted by a dozen people at once; furthermore, because of their high cost, many of them never reach any but the largest libraries, and numbers of far-from-insignificant foreign journals never reach this country at all.

"To help the individual investigator to find what is worth his reading is the function of the numerous abstract journals now published. But even these are becoming unwieldy. Thus in two of the sciences most closely allied to medicine - biology and chemistry - the abstracts themselves, although so brief as often to be useless, have reached an alarming total bulk. The annual *Biological Abstracts* has now become a volume of nearly 3000 pages, and the indexes, without which it loses much of its value, arrive nearly two years after the text. In this latter respect *Chemical Abstracts* is much better served, but it has attained the appalling mass of three volumes a year, each of about 2000 pages. Not very long ago the Medical Library Association, whose work deserves to be better known on this side of the Atlantic, set up a committee under the chairmanship of Miss Eleanor Fair to look into the problem as it affects medicine, and this committee, which reported in 1936,<sup>1</sup> concluded that present methods

---

<sup>1</sup>Fair, E., *Bull. med. Lib. ass.* 1936, 25, 33.



JOURNALS OR MICROFILMS?

(continued)

of publishing abstracts in clinical medicine are neither satisfactory nor comprehensive. Much time and money, as well as sincere effort, often representing personal sacrifice on the part of editors and scientists, are producing results that fall far short of goals that might reasonably be attained as regards scope, cost, promptness of issue, and the elimination of duplication. Mrs. Cunningham<sup>1</sup> is of much the same opinion and makes suggestions for meeting the need, with particular reference to America. It is clear that while some papers are abstracted in several places, others escape all notice.

"That the better dissemination of scientific information is becoming urgent is evident from the many references now being made to it. One aspect of the subject was examined by Sir William Bragg in his anniversary address to the Royal Society, which is the theme of a leading article in *Nature*,<sup>2</sup> and a chapter is given to it by Professor Bernal<sup>3</sup> in a book we reviewed last week. It is no longer enough, Bernal says, to publish a record of every new observation; steps must be taken to see that every scientific worker receives just the information required and no more, in just the right form. This will necessitate a limited distribution of detailed accounts for the specialists, a wider distribution of summaries or abstracts, and frequent publication of reports or monographs covering the whole of recent advances in any given field of science. At the back of this system of distribution there must be readily accessible a collection of archives in which reference can be made to work of the past. The problem, as Bernal sees it, is a purely technical one that ought not to be difficult to solve. The scheme he advocates would make the separate paper, not the periodical, the unit for publication. Each paper would be submitted to a central editorial board for its specialty, and if accepted would be reproduced on a standard cinema film. As many positives of this would be produced as were needed for distribution to interested specialists and to libraries, and the original master copy of the film would be stored so that copies could afterwards be run off on demand. This would obviate the present wasteful system of reprints, in which the cost is borne by the author and the reprints are often unobtainable by those who need them most. The methods of microphotography in use for these purposes have lately been described by Raney<sup>4</sup>, Page and Sayce<sup>5</sup>, and Bradford<sup>6</sup>, and preliminary arrangements are in hand in this country for making micro-film records at a cost of 1/2d. per quarto or perhaps less.<sup>7</sup> The

---

<sup>1</sup>Cunningham, E.R., *Bull. med. Lib. Ass.* 1938, 26, 211.

<sup>2</sup>*Nature*, Lond., March 11, 1939, p. 391.

<sup>3</sup>Bernal, J. D., *The social function of science*. London, 1939, p. 292.

<sup>4</sup>Raney, M. L. *Microphotography for libraries*. Chicago, Amer. Lib. Ass., 1936 and 1937.

<sup>5</sup>Page, B.S., and Sayce, L.A. *Lib. Ass. Rec.* 1938, 40, 16.

<sup>6</sup>Bradford, S.C. *Nature*, Lond., March 11, 1939, p. 393

<sup>7</sup>Information may be obtained from the Hon. Secretary, Research Coordination Committee, 35, Gordon Square, London, W.C.1.



JOURNALS OR MICROFILMS?  
(continued)

scheme outlined by Bernal would be run in conjunction with a system of abstracts, which, he suggests, would be on cards to be sent to libraries and institutions, and appropriate selections would be sent to research workers who asked for them. Reports, monographs, and original scientific works of larger compass than individual papers would be published as at present but under a more unified editorship. The only kind of periodical that would remain after these reforms would be that which publishes, in the form of notes, the latest scientific news and reflects 'the relation of science to wider social problems.'

"Arrangements such as those proposed by Professor Bernal would have many advantages, though, as he recognises, precautions would have to be taken against certain abuses. Vested interests would be opposed to it, but these he does not regard as serious, for very few scientific periodicals are commonly profitable. We fear, however, that he minimises the inertia and conservatism of human nature. Thus the need for some kind of projector or reading apparatus will militate against the extensive use of microphotographic films; and how are we to cater for those who like to read in the train, at meal-times or even in bed? If libraries ever come to consist mainly of films stored away in boxes, gone will be the pleasures and educational benefits of 'browsing!' It seems more probable that in this new revolution a small beginning will be made by wider application of the method already used by Science Service, Washington,<sup>1</sup> which leaves the present system of periodical publication untouched but employs microphotographs for longer papers that cannot readily be accepted by editors. A short abstract only is published in the journal and any interested person can purchase a film of the full paper from Science Service at a cost of about one cent per page. This scheme of 'auxiliary publication,' recently discussed again by Seidell,<sup>2</sup> ensures that papers are perpetually 'in print,' but no extensive space-consuming stocks need be stored. All that is needed is the original document itself and the micro-film negative."

---

<sup>1</sup>Davis., Science, 1936, 83, 402.

<sup>2</sup>Seidell, A. Science, March 10, 1939, p. 219.

-0-0-0-0-0-0-0-0-



IOWA STATE COLLEGE PRESS

A new publication outlet for manuscripts dealing with science and technology has been provided at Iowa State College, Ames, Iowa, by the recent organization of the Iowa State College Press. The major purpose of the new Press, as outlined in its statement of editorial policy, is "to serve learning, and particularly learning in fields of science and technology, by providing a channel of publication." It will consider for publication manuscripts, not from Iowa State College alone, but from any source, and will be especially interested in developing publications in certain subject matter fields in science and technology for which satisfactory publication channels are not elsewhere available.


-0-0-0-0-0-0-0-0-



117  
L61ha  
Cop. 4



# AGRICULTURAL LIBRARY NOTES



## CONTENTS

Vol. 14

June 1939

No. 6

Principal Library Accessions.....	295
Bibliographies and Lists.....	307
Notes on Periodicals.....	308
Offers.....	308
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	309
Articles by State Agricultural Experiment Station Workers.....	321
Translations received in the Library.....	347
List of State Extension Publications.....	349
Selected List of Mimeographed Publications of the U. S. Department of Agriculture.....	355
Le Bibliofilm de la Commission Internationale des Industries Agricoles	359

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
  
WASHINGTON  
D. C.





PRINCIPAL LIBRARY ACCESSIONS\*

Agricultural Experiment Stations

FIFTY YEARS OF PROGRESS on Dominion experimental farms, 1886-1936. Ottawa, Patenaude, 1939. 101 F46

Agriculture

RODRIGUEZ Y JIMENEZ, L. A. Consultas agricolas. Habana, Cuba, 1939. 31.1 R61

Apiculture

HURPIN, J. L'apiculture pratique. Paris, La maison rustique, 1939. 424 H94A

Architecture

THE ARCHITECTURAL FORUM. The 1940 book of small houses. New York, Simon and Schuster, 1939. 296 Ar22B

WAUGH, A. Planning the little house. New York, McGraw-Hill, 1939. 296 W35

Auditing

HOLMES, A. W. Auditing principles and procedure. Chicago, Business publications, 1939. 325 H73

Bacteriology

DOERR, R. and HALLAUER, C. Handbuch der virusforschung. v.1. Wien, Springer, 1938. 448.2 D733

RICE, T. B. A textbook of applied microbiology and pathology. 2nd edition of "Applied Bacteriology." New York, Macmillan, 1939. 448.2 R36T Ed.2

SOCIETY OF AMERICAN BACTERIOLOGISTS. Bergey's manual of determinative bacteriology. By D. H. Bergey and others. Ed. 5. Baltimore, Williams and Wilkins, 1939. 448.2 Sol2 Ed.5

ZINSSER, H. and others. Immunity; principles and application in medicine and public health. 5th ed. of "Resistance to infectious diseases." New York, Macmillan, 1939. 448.2 Z63 Ed.5

Botany, Paleobotany

ABEYESUNDERE, L. A. J. and DE ROSAYRO, R. A. comp. Draft of first descriptive check-list for Ceylon. Oxford, Imperial forestry institute, 1939. (Check-lists of the forest trees and shrubs of the British Empire, ed. by J. Burt Davy and A. C. Hoyle, no. 4) 460.12 Ab3

---

\*Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS

## Botany, Paleobotany (continued)

- BROUN, M. Index to North American ferns. Orleans, Mass., Published by the compiler, 1938. 461.2 B792
- DARRAH, W. C. Principles of paleobotany. Leiden, Holland, Chronica botanica company, 1939. (A new series of plant science books, ed. by Frans Verdoorn, v. 3) 402.1 D25
- FAUBION, Mrs. N. Some edible mushrooms and how to know them. Portland, Ore., Binfords & Mort, 1938. 462.5 F27
- FERDINANDSEN, C. C. F. and JORGENSEN, C. A. Skovtraeernes sygdomme, pt. 1. København, Gyldendalske, Nordsk forlag, 1938. 464.07 F37
- HARRIS, T. Y. Wild flowers of Australia. Sydney, Angus & Robertson, 1938. 460.31 H24
- MEDSGER, O. P. Edible wild plants. New York, Macmillan, 1939. 452.8 M46
- MOREAU, L. and VINET, E. La défense du vignoble. Paris, Flammarion, 1938. (La Terre, encyclopédie paysanne dirigée par J. Le Roy Ladurie. 9) 464.05 M81
- SCHUSSNIG, B. Vergleichende morphologie der niederen pflanzen, eine einführung in deren formbildung und formwechsel auf entwicklungsgeschichtlicher grundlage, v. 1. Berlin, Borntraeger, 1938. 461 Sch8
- SPERRY, O. E. A check list of the ferns, gymnosperms, and flowering plants of the proposed Big bend national park of Texas. (In Sul Ross state teachers college, Alpine, Tex., Bulletin. Alpine, Tex., 1938. v. 19, no. 4, Dec. 1, 1938. p. 9-98.) West Texas historical and scientific society publication number eight. 455.63 Sp3

## Cereals

- KENT-JONES, D. W. Modern cereal chemistry. Ed.3. Liverpool, Northern publishing co., 1939. 59 K41 Ed.2
- ROBERTSON, D. W. and WIEBE, G. A. Genetic factors in barley. [n.p., 1938?] Mimeographed. 59.21 R54

## Chemistry, Chemical Technology

- BENNHOLD, H. and others. Die eiweisskörper des blutplasmas. Dresden, Steinkopff, 1938. 386.2 B432
- FRIEDMANN, E. J. Sterols and related compounds, a series of three lectures delivered at the Institute of biochemistry, Cambridge. New York, Chemical publishing company, 1937. 387.1 F912
- GIROUD, A. L'acide ascorbique dans la cellule et les tissus. Berlin, Borntraeger, 1938. (Protoplasma monographien, bd. 16) 386.2 G44
- LE FEVRE, R. J. W. Dipole moments, their measurement and application in chemistry. New York, Chemical publishing company, 1938. 386 L522
- MEADE, R. K. The chemists' pocket manual. Ed.5. New York, Chemical publishing company, 1938. 386 M46 Ed.5
- REDGROVE, H. S. and FOAN, G. A. Hair-dyes and hair-dyeing chemistry and technique. New ed. London, Heinemann, 1939. 449.2 R24



PRINCIPAL LIBRARY ACCESSIONS

## Chemistry, Chemical Technology (continued)

- SWIFT, E. H. A system of chemical analysis (qualitative and semi-quantitative) for the common elements. New York, Prentice-Hall, 1939. (Prentice-Hall chemistry series. W. M. Latimer ed.)-- 387 Sw5
- ZECHMEISTER, L. and CHOLNOKY, L. v. Die chromatographische adsorptionsmethode. Ed. 2. Wien, Springer, 1938. 387.1 Zlch Ed.2

## Commerce

- BAHL, J. C. The oilseed trade of India. Bombay, New book company, 1938. 286.377 B14
- CONDLIFFE, J. B. Markets and the problem of peaceful change. Paris, International institute of intellectual cooperation, League of nations, 1938. 286 C75
- GT. BRIT. DOMINIONS OFFICE. Regulation of beef imports into the United Kingdom. Correspondence with the governments of the commonwealth of Australia, New Zealand and Eire. London, H. M. Stationery off., 1939. (Parliament, Papers by command. Cmd. 5943) 286.343 G793
- INTERNATIONAL WOOL CONFERENCE. 14th, London, 1938. [Report] Edited by the Bradford Chamber of commerce, inc. [Bradford? Eng. 1938?] English, French or German. 286.3459 In8 14th
- OUALID, W. and BALLANDE, L. International raw materials cartels. Paris, International institute of intellectual cooperation, League of nations, 1938. 286 Oul

## Comparative Anatomy

- COWDRY, E. V. ed. Problems of ageing, biological and medical aspects. Baltimore, Williams and Wilkins, 1939. 444 C83
- FIELD, H. E. The fetal pig, an introduction to mammalian anatomy. Stanford University, California, Stanford university press, 1939. 444 F45

## Conservation

- GUSTAFSON, A. F. and others. Conservation in the United States. Cornell Heights, Ithaca, Comstock publishing company, inc., 1939. 279 G97

## Cost of Living

- DELPECH, H. Recherches sur le niveau de vie et les habitudes de consommation (Toulouse 1936-1938) Paris, Sirey, 1938. (Institut scientifique de recherches économiques et sociales. Mémoires et enquêtes) 284.4 D38
- WAITE, W. C. and CASSADY, R., jr. The consumer and the economic order. New York, McGraw-Hill, 1939. 284.4 W13C

## Dairying

- MATTICK, A. T. R. and HOY, W. A. Bottle washing and bottle washing machines. Shinfield, National institute for research in dairying, 1937. 44 M434B

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Documentation

INTERNATIONAL CONFERENCE ON DOCUMENTATION, 14th, Oxford, 1938. Transactions.  
The Hague, Central secretariat [1938?] 240.9 In8014

Domestic Animals

ENGLENT, H. K. Ueber die vererbung der haarfarben beim hund. Leipzig, Schöps,  
1938. (Zentralblatt für kleintierkunde und pelztierkunde "Kleintier und  
pelztier", 14 jahrgang, 1938, hft. 2) 48 En3

Economics

ANDERSON, H. D. Dynamic theory of wealth distribution. Gainesville, University of Florida press, 1938. 280 An22

BEALS, C. The coming struggle for Latin America. Philadelphia, Lippincott, 1938. 280.16 B36

BERNAL, J. D. The social function of science. London, Routledge, 1939. 280 B452

BUELL, R. L. Poland: key to Europe. New York, Knopf, 1939. 280.177 B86

COLCORD, J. C. Your community. New York, Russell Sage foundation, 1939. 280 C674

DRUCKER, P. F. The end of economic man. New York, John Day, 1939. 280.17 D34

FERENCZI, I. The synthetic optimum of population. Paris, International institute of intellectual cooperation, League of nations, 1938. 280 F37

FRANKFURTER, F. Mr. Justice Holmes and the Supreme court. Cambridge, Harvard university press, 1938. 280.12 F853

GINZBERG, E. The illusion of economic stability. New York, Harper, 1939. 280.12 G43

HEARST MAGAZINES, inc. MARKETING DIVISION. A handbook of facts on the national consumer purchase survey. [New York?] 1938. Processed. 280.32 H35

HOUGHTON, G. E. The foundations of economics. London, King, 1937. 280 H812

KEVIN, J. C. G. ed. Some Australians take stock. New York, Longmans, Green 1939. 280.1992 K51

LYND, R. S. Knowledge for what? The place of social science in American culture. Princeton university press, 1939. 280.12 L98K

MUMFORD, L. Men must act. New York, Harcourt, Brace, 1939. 280 M91

NATIONAL INDUSTRIAL CONFERENCE BOARD. National income in the United States, 1799-1938. New York, 1939. (Its Studies. no. 241) 284 N21Na

POWDERMAKER, H. After freedom, a cultural study in the deep South. New York, Viking, 1939. 280.045 P87

RED CROSS. U. S. AMERICAN NATIONAL RED CROSS. The Ohio-Mississippi valley flood disaster of 1937. Washington, 1938. (Red cross. U. S. American national Red cross. ARC circular 977) 280.005 R24

ROGERS, J. H. Capitalism in crisis. New Haven, Yale university press, 1938. 280.12 R632

PRINCIPAL LIBRARY ACCESSIONS

## Economics (continued)

- SCHLESINGER, A. M. The new deal in action, 1933-1938. New York, Macmillan 1939. 280.12 Sch32
- SMITH, C. A. Some problems confronting America and mankind. New York, Leland, 1938. 280 Sm54
- STREIT, C. K. Union now. New York, Harper [1939?] 280 St86
- A SURVEY OF THE SOCIAL SERVICES IN THE OXFORD DISTRICT. v.1. London, Milford, 1938. 280.171 Su7
- VAN BILJOU, F. J. State interference in South Africa. London, King, 1939. 280.193 V27
- WARBASSE, J. P. Cooperation as a way of peace. New York, Harper, 1939. 280.2 W19Co
- WHITE, L. D. Introduction to the study of public administration. Rev. ed. New York, Macmillan, 1939. 280 W59 1939
- WHITE, L. D. and SMITH, T. V. Politics and public service. New York, Harper, 1939. 280.12 W582P
- WHITMAN, W. God's valley; people and power along the Tennessee river. New York, Viking, 1939. 280.002 W59
- WOODS, R. L. America reborn: a plan for decentralization of industry. New York, Longmans, Green, 1939. 280.12 W86

## Economics, Agricultural

- BAKKEN, E. H. The cost of manufacturing and marketing evaporated milk. Rio, Wis., Rio journal, 1938. 281.344 B17
- BEALS, C. American earth, the biography of a nation. Philadelphia, Lippincott, 1939. 281.12 B36
- DRESCHER, L. Entschuldung der ostdeutschen landwirtschaft auf grund einer untersuchung von osthilfe-entschuldungsbetrieben, im auftrag der Bank für Deutsche industrie-obligationen. Berlin, Reichsdruckerei, 1938. 284.2 D81
- FEI, HSIAC-TUNG. Peasant life in China, a field study of country life in the Yangtze valley. London, Routledge, 1939. 281.184 F32
- FRANCE. CONSEIL NATIONAL ÉCONOMIQUE. Les problèmes du crédit. v. 1. Melun, Impr. administrative, 1938. 284.2 F843
- GARRIGOU-LAGRANGE, A. Production agricole et économie rurale. Paris, Librairie générale de droit et de jurisprudence, 1939. (L'Économie politique contemporaine, collection dirigée par Bertrand Nogaro, v.5) 281 G192
- HATCH, D. S. Further upward in rural India. Madras, Indian branch, H. Milford, 1938. 281.182 H28F
- NATIONAL FARM CHEMURGIC COUNCIL, inc. RESEARCH COMMITTEE. Chemurgic potentialities. [Columbus? Ohio] 1939. Processed. 281.12 N217
- SMALLHOLDINGS STUDIES; reports of surveys undertaken by some agricultural economists. New York, Longmans, Green, 1938. 282 Sm1
- VÁSQUEZ, G. The agrarian reform in Lower California. [Mexico City?] D.A.P.P [1939?] 282 V47



PRINCIPAL LIBRARY ACCESSIONS

## Economics, Agricultural (continued)

- WARRIEN, D. Economics of peasant farming. New York, Oxford university press, 1939. 281.17 W25
- WOOSTER, T. J. and WINSTON, E. Seven lean years. Chapel Hill, University of North Carolina press, 1939. 281.12 W87

## Electric Welding

- LINCOLN ELECTRIC CO., Cleveland. Procedure handbook of arc welding, design and practice. Ed. 5. Cleveland, 1938. 335 L63 Ed.5

## Engineering

- ALEXANDER, M. Photoelasticity. Kingston, R.I., Rhode Island State college, 1936. Processed. 290 A122
- ALLEN, E. L. Simplified mechanics for girls, an elementary course. Peoria, Manual arts press, 1938. 291 A153
- HUDSON, R. G. The engineers' manual. Ed. 2. New York, Wiley, 1939. 290 H862 Ed.2
- MOORE & HALLER, inc. Report on investigation of September 1938 flood, to the Department of public works, the Commonwealth of Massachusetts. Cambridge, Mass., 1939. Processed. 290 M783
- O'BRIEN, M. P. and FOLSOM, R. G. The transportation of sand in pipe lines. Berkeley, Calif., 1937. (University of California publications in engineering, V. 3, no. 7, p. 343-383) 290 Ob6T

## Entomology

- BROWN, F. L., ed. A catalogue of the original descriptions of the Rhopalocera found north of the Mexican border, pt. 1. Colorado Springs, 1938. (Bulletin of the Cheyenne mountain museum, v. 1, pt. 1) 430 B812
- DIEHL, F., illus., Tierische schädlinge; 127 tierische schädlinge in bildern. Text von dr. H. Weidner. Hamburg, Schults & Thiele, 1938. 423 D56
- FRANZKE, A. Die hausbockkäferfrage im jahre 1938, von A. Franzke; Folgerungen aus der deutschen hausbockkäferstatistik, von C. Kaufmann und K. Schuch; Zur physiologie und ökologie des hausbockkäfers (Hylotrupes bajulus L.) von K. Schuch. Verlegt und herausgegeben vom Verband öffentlicher feuerversicherungsanstalten in Deutschland. Berlin-Dahlem, 1938. 427 F85
- FRICKHINGLER, H. W. Leitfaden der schädlingbekämpfung für apotheker, drogisten, biologen und chemiker. Stuttgart, Wissenschaftliche verlagsgesellschaft n.b.h., 1939. 423 F91
- HERMS, W. B. Medical entomology. Ed. 3. New York, Macmillan, 1939. 422 H422M Ed.3
- WHELAN, D. B. Field crop entomology. St. Louis, Swift, 1938. Planographed. 423 W37

-----

PRINCIPAL LIBRARY ACCESSIONS

(continued)

Evolution, Biology

- DARLINGTON, C. D. The evolution of genetic systems. Cambridge, University press, 1939. (Cambridge biological studies) 443 D243
- SHAPIRO, H. L. Migration and environment; a study of the physical characteristics of the Japanese immigrants to Hawaii and the effects of environment on their descendants. London, Oxford university press, 1939. 442 Sh22

Food, Cookery

- THE AMERICAN WOMAN'S COOK BOOK, edited and revised by Ruth Berolshéimer. Published for Culinary arts institute by Garden City publishing co., inc., New York, 1939. 389.25 Am33
- BULLOCK, Mrs. H. The Williamsburg art of cookery. Williamsburg, Printed for Colonial Williamsburg, inc., on the press of A. Dietz, 1938. 389.25 B87
- CONFERENCE ON COOPERATIVE MEAT INVESTIGATIONS. REVIEW COMMITTEE. Report. 389 C763
- SCHLOSS, Mrs. H. W. Short cuts and left-overs. New York, Barrows, 1938. 389.25 Sch32

Forestry, Trees

- GRUNWOLDT, R. F. Forstwirtschaft in Afrika. Leipzig, Lühe, 1938. (Europa blickt nach Afrika, hrsg. von Erwin Barth von Wehrenalp) 99.68 G95
- RICHARDS, E. C. M. The testimony of Edward C. M. Richards, former chief forester of the TVA, before the Joint congressional committee investigating the Tennessee valley authority, pt. 1. [n.p.] 1938. 99.61 R39
- SOUTHERN PINE ASSOCIATION. DEPT. OF CONSERVATION. The South, a reservoir of forest wealth; a presentation of fact and constructive conclusions for the consideration of the Mississippi joint legislative forestry committee. [New Orleans?] 1938. Processed. 99.61 So82
- TOWNSEND, C. R. Mechanized logging. Montreal, Woodlands section, Canadian pulp and paper association, 1938. 99.76 T66M

History

- COLE, G. D. H. and POSTGATE, R. The common people 1746-1938. London, Methuen, 1938. 277.171 C67
- FARNAM, H. W. Chapters in the history of social legislation in the United States to 1860. Washington, 1938. (Carnegie institution of Washington Publication no. 488. Contributions to American economic history, from the Board of research associates in American economic history.) 277.12 F23
- FAULKNER, H. U. A short history of the American people. London, Allen & Unwin, 1938. 277.12 F27S
- HEMPEL, E. H. Industrial political economy. New York, Pitman, 1939. 277 H37
- LIVERMORE, S. Early American land companies. New York, Commonwealth fund, 1939. (Publications of the Foundation for research in legal history, Columbia university School of law) 277.12 L75

-----  
PRINCIPAL LIBRARY ACCESSIONS

History (continued)

NORTH CAROLINA. HISTORICAL RECORDS SURVEY. The historical records of North Carolina. Ed. by C. C. Crittenden and D. Lacy. v. 1. Raleigh, The North Carolina Historical commission, 1938. (Publications of the North Carolina Historical commission) 138 N81

Horticulture

- BLACKBURN, B. C. Your garden this week. New Brunswick, Rutgers university press, 1939. 90.04 B56
- CUMMING, A. Hardy chrysanthemums. New York, McGraw-Hill, 1939. (Whittlesey house garden series) 96.519 C91
- LAURIE, A. and POESCH, G. H. Commercial flower forcing. Ed.2. Philadelphia, Blakiston, 1939. 90.13 L37 Ed.2
- McNAUGHTON, H. V. A treatise on the culture of poinsettias (Euphorbia pulcherima) Chicago, printed by Sheffield shop, 1939. 96.5 M23
- MANNING, J. W. Plant buyers index. Ed.4. Duxbury, Mass., Manning, 1939. Processed. 90.21 M312 Ed.4.
- ORTLOFF, H. S. and RAYMORE, H. B. Garden planning and building. New York, McGraw-Hill, 1939. (Whittlesey house garden series, ed. by F. F. Rockwell) 98 Or8
- PARKER, C. W. The lawn, how to make it, and how to maintain it. Boston, Hale, Cushman & Flint, 1939. (The gardener's library, ed. by E. I. Farrington) 97.6 P22
- QUARRELL, C. P. Intensive salad production, including some vegetables. London, Lockwood & son, 1938. (Agricultural and horticultural handbooks) 91.45 Q2
- ROHDE, E. S. Vegetable cultivation & cookery. London, Medici society, 1938. 91.15 R63
- WHITE, E. A. American orchid culture. Ed.2. New York, De La Mare co., 1939. 96.2 W582A Ed.2

Housing

GT. BRIT. MINISTRY OF HEALTH. CENTRAL HOUSING ADVISORY COMMITTEE. DEMOLITION PROCEDURE SUB-COMMITTEE. The demolition of individual unfit houses in rural areas. London, H. M. Stationery off., 1939. 296.2 G7922

Industrial and Office Management

- MacMAHON, A. W., and MILLETT, J. D. Federal administrators; a biographical approach to the problem of departmental management. New York, Columbia university press, 1939. 249.3 M22
- SCHELL, E. H., and GILMORE, F. F. Manual for executives and foremen. New York, McGraw-Hill, 1939. 249 Sch2M
- WATKINS, G. S., and DODD, P. A. The management of labor relations. New York, McGraw-Hill, 1938. 249.3 W32



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Labor, Wages, Unemployment

CALIFORNIA. STATE EMERGENCY RELIEF ADMINISTRATION. Summary of proposed plan for self-help cooperatives in California, 1936. [Sacramento? 1937?] Processed. 283 C1263

FRANCE. CONSEIL NATIONAL ÉCONOMIQUE. La main-d'oeuvre et le chômage. v. 5. Melun, Impr. administrative, 1938. 285 F843

GT. BRIT. MINISTRY OF LABOUR. International labour conference proposed action by His Majesty's government...regarding the undermentioned conventions and recommendations: Recommendation (no.50) concerning international cooperation in respect of public works. Recommendation (no.51) concerning the national planning of public works... Convention (no.61) concerning the reduction of hours of work in the textile industry. London, H.M.Stationery off., 1939. (Parliament, Papers by command. Cmd. 5924) 283 G798Int

HILL, G. W. and SMITH, R. A. Rural relief trends in Wisconsin from 1934 to 1937. Madison, University of Wisconsin press, 1939. 283 H55

WILLIAMS, E. A. Federal aid for relief. New York, Columbia university press, 1939. (Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, no. 452) 283 W67

Law

WEINTRAUB, R. G. Government corporations and state law. New York, Columbia University press, 1939. (Studies in history, economics, and public law, edited by the Faculty of political science of Columbia university, no. 448) 274 743

Library Economy

THE SPECIAL LIBRARY PROFESSION AND WHAT IT OFFERS; surveys of fifteen fields, comp. by M. C. Manley. New York Special libraries association, 1938. 243 Sp32

Meteorology

BLAIR, T. A. Weather elements. New York, Prentice-Hall, 1938. (Prentice-Hall geography series; consulting editor, N. A. Bengtson) 340 B57

GOEDERT, P. Les sols de l'Afrique centrale, spécialement du Congo Belge. Caractéristiques pédologiques. Fertilité. Introduction: Le régime pluvial au Congo Belge. Gembloux, Belgique, Ducelot, 1938. (Publications de l'Institut national pour l'étude agronomique du Congo Belge...Hors série) 346 G55

NAMIAS, J. An introduction to the study of air mass analysis, by J. Namias and Characteristic properties of North American air masses, by H. C. Willett, also The Norwegian wave-theory of cyclones by B. Haurwitz. Ed. 4. Milton, Mass., American meteorological society, 1938. 340 N15 Ed.4

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Microscopy

HAITINGER, H. Fluoreszenzmikroskopie, ihre anwendung in der histologie und chemie. Leipzig, Akademische verlagsgesellschaft m.b.h., 1938.  
440 H122

## Pharmacy

FÉDÉRATION INTERNATIONALE PHARMACEUTIQUE. COMMISSION INTERNATIONALE DES SPÉCIALITÉS. Untersuchungsmethoden für arzneispezialitäten. Ed. 2. Leyde, 1938. 396 F31 2d  
GOOSTRYA, S. An introduction to materia medica. Ed. 4. New York, Macmillan, 1939. 396 G642 Ed.4

## Physics

STEWART, O. H. Physics a textbook for colleges. Ed. 3. Boston, Ginn, 1939. 354 St42 Ed.3

## Planning and Planning Board Publications

IOWA. STATE PLANNING BOARD. SOIL CONSERVATION COMMITTEE. Soil conservation districts for Iowa. [Des Moines? 1936?] Processed. 280.7 Io952  
NORTH DAKOTA. STATE PLANNING BOARD. Trade centers in North Dakota. Bismarck, N. D., 1939. Processed. 280.7 N81T  
OREGON. STATE PLANNING BOARD. Management of tax reverted lands in Oregon, by A. Damschen. Portland, 1938. Processed. 280.7 Or33Ma  
OREGON. STATE PLANNING BOARD. Oregon looks ahead. [Portland?] 1938. 280.7 Or33Or  
OREGON. STATE PLANNING BOARD. A survey of public library service in Oregon. [Salem?] 1938. Processed. 280.7 Or33Sur

## Prices

GUITTON, H. Essai sur la loi de King, étude des relations entre les mouvements de l'offre et les mouvements des prix. Paris, Sirey, 1938. 284.3 G94  
TAKAHASHI, K. Nippon bukka seisaku (Price policies in Japan). Tokyo, Chigura book shop, 1938. Japanese. 284.3 T13  
WOMASER, C. Deflation et dévaluation, étude comparée de leurs effets sur les prix. Paris, Sirey, 1938. (Études économiques, publiées sous la direction de m. Gaëtan Pirou... tome 4) 284 W89

## Roads

MARYLAND. STATE ROADS COMMISSION. Program of needed improvements on the state highway system. Annapolis, Md., 1939. 288 M364P

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Science

- MOULTON, F. R., ed. The world and man as science sees them. Chicago, Univ. of Chicago press, 1937. 330 M86
- NEEDHAM, J., and PAGEL, W., ed. Background to modern science, ten lectures at Cambridge arranged by the History of science committee, 1936. New York, Macmillan, 1938. (The Cambridge library of modern science, general editor: C. P. Snow. v. 2) 330 N28

## Soils

- BAEYENS, J., and others. Les sols de l'Afrique centrale, spécialement du Congo Belge. t. 1. Gembloux (Belgique), Duculot, 1938. (Publications de l'Institut national pour l'étude agronomique du Congo Belge. Hors série) 56.27 B14

## Statistics

- CONNOR, L. R. Statistics in theory and practice. Ed.3. London, Pitman, 1938. 251 C76 Ed.3
- NICARAGUA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Memoria sobre la industria ganadera y sus anexos. Managua, Nicaragua, Impreso en los talleres nacionales. 1937. 254 N514

## Taxation

- BLAKEY, R. G., and BLAKEY, G. C. Taxation in Minnesota, 1939 supplement. Minneapolis, University of Minnesota press, 1939. 284.5 B85T 1939
- CRAWFORD, F. G. Motor fuel taxation in the United States. Syracuse, The author, 1939. 284.5 C85M
- FLORIDA RESEARCH BUREAU. Florida and its money, indispensable handbook for citizens and students everywhere. St. Augustine, The Record Company, 1938. 284.5 F663
- GREEN, W. R. The theory and practice of modern taxation. Ed. 2. New York, Commerce clearing house, 1938. 284.5 G82 Ed.2
- TEXAS. STATE TAX BOARD. Austin, 1938. Mimeographed. 284.5 T312

## Technology

- WHITTAKER, C. M. and WILCOCK, C. C. Dyeing with coal-tar dyestuffs. Ed.3. New York, Van Nostrand, 1938. 306 W61 Ed.3
- WISWALL, C. A. One hundred years of paper making. Reading, Printed by the Reading chronicle press, 1938. 302 W76



-----  
PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Transportation, Traffic

- McCLINTOCK, M. Report on San Francisco citywide traffic survey. San Francisco, 1937. 289.6 M13R  
SMITH, R. W. Safe driving in the state of New York. Cincinnati, South-western publishing company, 1938. 289.4 Sm6

Veterinary Medicine

- GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Committee on veterinary education in Great Britain. Report. London, H. M. Stationery off., 1938. 41 G7974  
HADLEY, F. B. Principles of veterinary science. Ed. 3. Philadelphia, Saunders, 1939. 41 H117 Ed. 3  
KOCH, W. Hormone und hormontherapie in der tiermedizin. Stuttgart, Enke, 1939. 41 K814  
NIEBERLE, K. Tuberkulose und fleischhygiene. Jena, Fischer, 1938. 41 N552T  
ONDERSTEEPOORT. VETERINARY RESEARCH INSTITUTE. Draft of an international list of animal diseases. Pretoria, Printed by the government printer, 1938. 41 On12  
PANISSET, L. A. Traité des maladies infectieuses des animaux domestiques. Paris, Vigot, 1938. 41 P19T

Zoology

- DAVIS, W. B. The recent mammals of Idaho. Contribution from the Museum of vertebrate zoology, University of California, Berkeley. Caldwell, Idaho, Caxton printers, 1939. 412.1 D29  
HADSALL, L. F. How animals protect themselves. Sacramento, California state printing office, 1938. (California. Committee on science guide for elementary schools. Science guide for elementary schools. v. 4, no. 4) 411 H111  
KURODA, N. Geese and ducks of the world. 1939. 413 K962G  
OKADA, Y. A catalogue of vertebrates of Japan. Tokyo, Maruzen, 1938. 411 Ok1

- o - o - o - o - o -

-----  
BIBLIOGRAPHIES AND LISTS

Miscellaneous

- Cole, A. H. A finding-list of royal commission reports in the British dominions, prepared under the direction of A. H. Cole... Cambridge, Mass., Harvard univ. press, 1939. 134 p. 242.3 C67
- Landis, B. Y. comp. A guide to the literature of rural life. 4th rev. ed. New York, Dept. of research and education, Federal council of the churches of Christ in America, 1939. 15 p. 241.3 L23 Ed. 4
- South Dakota. State planning board. Bibliography of South Dakota state planning board publications. Brookings, S. D., Central office, 1939. 12 p. Photoprinted. 280.7 So82Bi
- U. S. Bureau of foreign and domestic commerce. Barriers to interstate trade; bibliography. U. S. Dept. of commerce, Washington, D. C. Published by the Council of state governments, Chicago, Ill., 1939. 6 p. Processed. 241.3 Un353
- Washington state apple advertising commission. Digest of scientific literature concerning the apple -its nutritive and therapeutic values. [Wenatchee] 1938. 96 p. 241 W273

U. S. Department of Agriculture

Bureau of Agricultural Economics

High drafting in cotton spinning: selected references. Compiled by O. M. Shipley. April 1939. 12 p. (Economic library list no. 3) 1.9 Ec73E

Rural psychology; a partial list of references. Compiled by Margaret T. Olcott, under the direction of Mary G. Lacy, Librarian. 1939. 76 p. (Agricultural economics bibliography no. 78) 1.9 Ec7A

Bureau of Animal Industry

Index catalogue of medical and veterinary zoology. Pt. 3. Authors: C to Czygan. By Albert Hassall, Collaborator, Mildred A. Doss, Assistant Librarian, and others in the Zoological Division. 961 p. Mar. 1939. Distribution limited.

Commodity Exchange Administration

List of publications issued by the Commodity exchange administration. May 1939. 7 p. (CEA-12 revised) 1.9 C73C

Bureau of Dairy Industry

Publications relating to the dairy industry. Revised to May 1939. 10 p. 1.9 An55Pu

Extension Service

Current rural electrification references for extension specialists [Issued 1937] Reissued May 1939. Prepared by S. P. Lyle and Mary Rokahr. 16 p. (Miscellaneous extension publication no. 37) 1.9 Ex892Mi

Division of Publications

Abbreviations used in the Department of Agriculture for titles of publications. By Carolyn Whitlock, Assistant Editor, Division of Publications, Office of Information. 278 p. April 1939. (Miscellaneous Publication No. 337) Supersedes Department Bulletin 1330, Abbreviations employed in Experiment Station Record for titles of periodicals. Distribution limited.

## NOTES ON PERIODICALS

New, Changed and Discontinued

- Aberdeen-Angus; organo oficial de la Corporación argentina de "Aberdeen-Angus". Sarmiento 643, Escritorio 322, Buenos Aires. quar. il. 4<sup>o</sup> no. 1, Jan. 1939. No price given.
- AT-FA; official journal of the American turpentine farmers association co-operative. Valdosta, Ga. mo. il. 4<sup>o</sup> v. 1, no. 1, Oct. 1938. \$3.00 a year.
- Chromosoma; Zeitschrift für zellkern- und chromosomenforschung. Julius Springer, W. 9, Linkstr. 22/24. Berlin, irreg. il. 8<sup>o</sup> bd. 1, hft. 1, Apr. 12, 1939. Der autor ernält einen unkostenersatz von RM. 20. - für den 16 seitigen druckbogen, jedoch im höchstfalle RM.60.-für eine arbeit.
- Forms Abt. B of Zeitschrift für zellforschung und mikroskopische anatomie.
- Contemporary Russia and her relations with her neighbours. London. Changed to East Europe and contemporary Russia with v. 3, no. 1, spring, 1939.
- Great Britain. Ministry of agriculture and fisheries. Journal of the Ministry of agriculture. Title changed to Agriculture; the journal of the Ministry of agriculture, with v. 46, no. 1, Apr. 1939.
- Le Monde agricole. 11 bis, rue Scribe, Paris 9<sup>e</sup>. 5 times a year. 4<sup>o</sup> année 2, no. 1, Jan./Feb. 1939. 30 francs. (Abonnement annuel à tous les services de la revue "Chambre d'agriculture" 100 francs) Publié par l'Assemblée permanente des présidents des chambres d'agriculture et le Comité français des relations agricoles internationales. Preceded by L'Agriculture à l'étranger (Série F of Chambres d'agriculture), 1938.
- Onze ploeg, landbouwkundig maandschrift. Leuven. Ceased with jaarg. 17, no. 12, Dec. 1938.
- Parahiba, Brazil (State) Secretária de agricultura, comércio, viação e obras públicas. Boletim de publicidade agrícola. João Pessoa, Paraíba, Brasil. mo. ? il. 4<sup>o</sup> t. 1, no. 1/3, Oct./Dec. 1938. Price not given.
- Photo-lithographer. New York. Changed to Modern lithography with v. 7, no. 5, May 1939.
- Progressive perfumery and cosmetics. Van Dyk & company, inc., 57 Wilkinson Avenue, Jersey City, N. J. mo. 4<sup>o</sup> March 1939. Price not given.
- Southern pulp and paper journal. Ernest H. Abernethy publishing company, inc., Mortgage guarantee building, Atlanta, Ga. mo. il. 4<sup>o</sup> v. 1, no. 1, Dec. 1938. \$3.00 a year; \$7.00, 3 years.
- Svenska vall- och mosskulturföreningen. Kvartalsskrift. Ultuna, Uppsala, Sweden. quar. il. 8<sup>o</sup> aarg. 1, nr. 1, Mar. 1939. Medlemsavgiften, 5 kronor per år. Supersedes two publications: Svenska mosskulturföreningen. Tidskrift, and Svenska betes- och vallföreningen. Årsskrift.

-o-o-o-o-o-o-o-o-o-

OFFER

The Library of the University Farm, Davis, California, has a number of duplicates of publications of the International Institute of Agriculture, Rome. Any library may obtain them by paying transportation charges. The publications weigh about forty pounds, and are for the most part the International Review of Agriculture Series, 1917-1935.

-o-o-o-o-o-o-o-o-o-



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

- WALLACE, H. A. The South faces changing demands. South. Econ. Jour. 5:423-441. Apr. 1939.
- BROWN, H. L. Let's increase our cotton exports. South. Agric. 69(5): 4. May 1939.
- MELTON, P. W. Careers in Federal government administration. Soc. Adv. Mgt. Jour. 4(2): 50-53. Mar. 1939.

Agricultural Adjustment Administration

- BEAN, L. H. Changing trends in cotton production and consumption. South Econ. Jour. 5: 442-459. Apr. 1939
- TAYLOR, P. R. Current vegetable marketing problems. Ind. Veg. Growers' Assoc. Program Rev. 10: 34-44. 1939.

Bureau of Agricultural Economics

- BAKER, O. E. A new era in American agriculture. Tijdschrift voor Economische Geographie (Dutch Jour. of Econ. Geogr.) 30: 113-124. May 15, 1939.
- CHEATHAM, R. J. "Cotton-bag" fertilizers for Cotton Belt farmers. Amer. Cotton Grower 4(12): 6. May 1939.
- CLAWSON, M. The administration of Federal range lands. Quart. Jour. of Econ. 53: 435-453. May 1939.
- CLOUGH, M. Relation between corn and wheat futures. Jour. Farm Econ. 21: 500-502. May 1939.
- GARLOCK, F. L. (Book Review) Farm credit in Canada, by W. T. Easterbrook. 280 p. Toronto, Univ. of Toronto Press, 1938. Jour. Farm Econ. 21: 541-543. May 1939.
- GOODSELL, W. D. (Book Review) Farm practices and their effects on farm earnings, by M. L. Mosher and H. C. M. Case. 135 p. Univ. of Ill. Bull. No. 444. Urbana, 1938. Jour. Farm Econ. 21: 535-538. May 1939.
- HARLAN, C. L. (Book Review) Argentine meat and the British market, by Simon G. Hanson. 294 p. Palo Alto, Calif., Stanford Univ. Press, 1938. Jour. Farm Econ. 21: 538-540. May 1939.
- HENDRICKS, W. A. (Book Review) Research and statistical methodology books and reviews of 1933-1938, by Oscar K. Buros. 100 p. New Brunswick. N. J., Rutgers Univ. Press, 1938. Poultry Sci. 18: 255. May 1939.
- HOFFMAN, A. C. (Book Review) The changing relative importance of the central livestock market, by Edward A. Duddy and David A. Revzan. 122 p. Chicago, Univ. of Chicago Press, 1938. Jour. Farm Econ. 21: 540-541. May 1939.
- HOLMES, L. C. Type of farming research again. Comments of Prof. W. W. Wilcox's "Types of farming research and farm management" (Jour. Farm Econ. 20: 417. 1938). Jour. Farm Econ. 21: 498-500. May 1939.

---

\*These lists are prepared in the offices under which they are listed with the exception of the Office of the Secretary and the Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics (continued)

- MEAL, W. G. Policies to meet fruit and vegetable marketing problems. (Address) Ann. Meeting, Ohio Veg. and Potato Growers' Assoc. Proc. 24: 172-183. 1939.
- REED, H. E. The German cattle industry. (Address) Eleventh Internatl. Dairy Cong. (Berlin, Germany, Aug. 1937) Rpt. of the Deleg. of the U. S. to the Sec. of State (1937) 11: 105-107. Mar. 15, 1938.
- SALTER, L. A., JR. (Book Review) American regionalism, by Howard W. Odum and Harry Estill Moore. 693 p. New York, Henry Holt and Co., 1938. Jour. Farm Econ. 21: 521-524. May 1939.
- SHERMAN, C. B. (Book Review) John Berrien Lindsley, by John Edwin Windrow. 24 p. Chapel Hill, N. C., Univ. of N. C. press, 1938. South. Lit. Messenger 1: 299. Apr. 1939.
- (Book Review) Old sherry: portrait of a Virginia family, by Frank J. Klingberg. Richmond. Garrett and Massie, Inc., 1938. South. Lit. Messenger 1: 300. Apr. 1939.
- (Book Review) Readjustments of agricultural tenure in Ireland, by Elizabeth R. Hooker. 245 p. Chapel Hill, N. C., Univ. of N. C. Press, 1938. Jour. Farm Econ. 21: 544-546. May 1939.
- Market improvements to cut costs. The Amer. City. 54(5): 48-49. May 1939.
- The poetry of rural America. Rural Amer. 17(5): 3-5. May 1939.
- Tackling that food cost. Pract. Home Econ. 17(5): 141, 155-156. May 1939.
- (U.S.D.A. Cotton Ginning Laboratories - Bur. Agr. Econ. with Bur. Agr. Eng., cooperating, Stoneville, Miss.) New coop gins models for industry. Amer. Cotton Grower 5(1): 20. June 1939.
- WALDIE, R. Larger incomes for farmers. (In 3 parts) The Coop. (Off. Mo. Pub., Sedgwick Co., Kans., Farm Bur. and Wichita Milk Prod. Assoc.) 4(10): 1, 4; 4(11): 5-6; 5(12): 4-5. Apr., May 1938; and June 1939.

Bureau of Animal Industry

- ALIEN, E. A. Cultures of Pentatrichomonas sp. in vitro from the livers of chickens and turkeys. Jour. Parasitology 24(6): suppl. p.6. Dec. 1938.
- ANDREWS, J. S. Hemorrhage as the cause of the fatal anemia associated with the stomach worm infection in sheep. Jour. Parasitology 24(6): suppl. p. 17-18. Dec. 1938.
- BENGSTON, J. S. Coccidioidial granuloma. Nat. Assoc. of B.A.I. Veterinarians. The Bureau Veterinarian 15: 1-4. May 1939.
- CHITWOOD, B. G. Further studies on nematode skeletoides and their significance in the chemical control of nematode pests. Helminth. Soc. Wash. Proc. 5: 68-75. July 1938.
- CHITWOOD, B. G. Notes on the physiology of Ascaris lumbricoides. Helminth. Soc. Wash. Proc. 5: 18-19. Jan. 1938.
- CHITWOOD, B. G. The status of Protospirura vs. Mastophorus with a consideration of the species of these genera. In Livro Jubilar Travassos, p. 115-118. 1938.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry (continued)

- COUCH, J. F. and BRIESE, R. R. The destruction of hydrocyanic acid by prunase and the influence of sugars on the reaction. Wash. Acad. Sci. Jour. 29: 219-221. May 15, 1939.
- GRAFFORD, A. B. Studies in Avian tuberculosis (in 4 parts). Amer. Rev. of Tuberculosis 37: 579-597. June 1938.
- DIKILANS, GERARD and POPLMA, L. J. Bovine genital trichomoniasis with special reference to diagnosis. Amer. Vet. Med. Assoc. Jour. 46: 362-366. Dec. 1938.
- HALL, M. C. Problemi veterinarske parazitologije u sjedinjenim drzavama. Jugoslav. Vet. Glasnik. 18: 256-259. June 1938.
- HARWOOD, P. D., JERSTAD, A. S. and SWANSON, L. E. The efficacy of phenothiazine for the removal of ascarids and nodular worms from swine. Jour. Parasitology 24(6): suppl. p.16-17. Dec. 1938.
- HARWOOD, P. D. and JERSTAD, A. C. Lucilia sp. attacking sheep at Beltsville, Maryland. Jour. Parasitology 24(6): suppl. p.23-24. Dec. 1938.
- JERSTAD, A. C. Critical tests of Iso-amyl-ortho-cresol as an anthelmintic for the removal of tapeworms from dogs. North Amer. Vet. 20: 35-38. June 1939; also in Jour. Parasitology 24(6): suppl. p.34-35. Dec. 1938.
- KNOX, C. W. Dangers of inferior stock in crossbreeding. Feathered World 100: 12. Feb. 17, 1939.
- LUTTERMOSE, G. W. Susceptibility of chickens to reinfection with Raillietina cesticillus as determined by the presence of the original terminal segment. Jour. Parasitology 24(6): suppl. p.14-15. Dec. 1938.
- MILLER, DAVID. The vitamins of the B-G Complex. Poultry Sci. 17: 523-539. Nov. 1938.
- PRICE, E. W. North American monogenetic trematodes. II. The families Monocotylidae and Udonellidae (Capsaloidae). Wash. Acad. Sci. Jour. 28: 109-126; 183-198. Mar. 15, Apr. 15, 1938.
- REES, C. W. Fifteen cases of experimental bovine venereal trichomoniasis. Jour. Parasitology 24(6): suppl. p.16. Dec. 1938.
- SHAHAN, H. S., GILTNER, L. T., DAVIS, C. L., and HUFFMAN, W. T. "Secondary" disease occurring subsequent to infectious equine encephalomyelitis. Vet. Med. 34: 354-358. June 1938.
- SPINDLER, L. A. Resistance to intestinal trichinosis in experimental animals induced by feeding metabolic products of encysted trichinae. Wash. Acad. Sci. Jour. 27: 36-38. Jan. 15, 1937.
- SCHWARTZ, BENJAMIN and PORTER, D. A. The localization of swine lungworm larvae in the earthworm, Helodrilus foetidus. In Livro Jubilar Travassos, 1938. p.429-440.
- UNDERWOOD, P. C. and HARWOOD, P. D. Survival and location of the microfilariae of Dirofilaria immitis in the dog. Jour. Parasitology 25: 23-33. Feb. 1939.
- WEHR, E. E. Domestic fowls as carriers of the poultry gapeworm. Jour. Parasitology 24(6): suppl. p.13. Dec. 1938.
- WEHR, E. E., HARWOOD, P. D. and SCHAFFER, J. M. Barium antimonyl tartrate as a remedy for the removal of gapeworms from chickens. Jour. Parasitology 24(6): suppl. p.17. Dec. 1938.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
 APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Biological Survey

- GOLDMAN, E. A. Two new pocket gophers of the genus Heterogeomys from Mexico. Jour. Wash. Acad. Sci. 29: 175-177. Apr. 15, 1939.
- Remarks on pocket gophers, with special reference to Thomomys talpoides. Jour. Mammal. 20: 231-244. May 14, 1939.
- A substitute name for Perognathus penicillatus searsus. Jour. Mammal. 20: 257. May 14, 1939.
- JACKSON, H. H. T. Polar bear in Lake St. John District, Quebec. Jour. Mammal. 20: 253. May 1939.
- A record black bear. Jour. Mammal. 20: 252-253. May 1939.
- KALMBACH, E. R. American vultures and the toxin of Clostridium botulinum. Jour. Amer. Vet. Assoc. 94: 187-190. Mar. 1939.
- SAYLOR, L. W. Two new California Phyllophaga. Ent. Soc. Wash. Proc. 41: 88-92. Mar. 1939.
- SCHEFFER, V. B. The Os Clitoridis of the Pacific otter. Murrelet 20: 20-21. Jan./Apr. 1939.
- SCOTT, T. G. Number of fetuses in the hooy pigmy shrew. Jour. Mammal. 20: 251. May 1939.
- (With L. F. SELKO, junior author). A census of red foxes and striped skunks in Clay and Boon Counties, Iowa. Jour. Wildlife Mangt. 3: 92-98. Apr. 1939.
- SHELDON, H. P. Guns and game: Gunga Din reviewed; telescopic sight; Weaver 'scopes; too much power; concerning ruffed grouse. Country Life and Sportsman 75 (6): 26, 115, 116. Apr. 1939.
- Guns and game: Cure for blown patterns; monotony; vicious killing; a true sportsman. Country Life and Sportsman 76 (1): 17, 24, 113. May 1939.
- SPERRY, C. C. Food habits of pegleg coyotes. Jour. Mammal. 20: 190-194. May 1939.

Bureau of Chemistry and Soils

- BALCH, R. T. and FORT, C. A. (With J. I. Lauritzen, Bur. Plant Indus.). Resistance to inversion of sucrose in harvested sugarcane in Louisiana. Internatl. Soc. Sugar Cane Technologists Procs. 6: 809-818. 1938.
- BROWN, H. R. Control of dust explosions in industrial plants. Northwest. Miller 198(1): 26a. Apr. 12, 1938.
- DACHNOWSKI-STOKES, A. P. Improvement of unproductive and abandoned peatland for wildlife and related uses. Ecology 20: 187-197. May 11, 1939.
- DIEHL, H. C. A "pack" with possibilities. News for Farmer Coop. 6(2): 6-8. May 1939.
- EARLE, F. R. and MILNER, R. T. Study of the Kaufmann method for determining iodine numbers. Oil and Soap XVI(4): 69-71. Apr. 1939.
- ETCHELLS, J. L. and VELDHUIS, M. K. Growth of mycoderma scum under oil. Fruit Prods. Jour. and Amer. Vinegar Indus. 18: 265-267. May 1939.
- FLECK, E. E. and PALKIN, S. The presence of dihydroabiatic acid in pine oleoresin and resin. Jour. Amer. Chem. Soc. 61: 1230. May 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils (continued)

- FORT, C. A. (With J. I. Lauritzen, Bur. Plant Indus.). Occurrence of an alcoholic fermentation in sugarcane damaged by freezing. Sugar Bul. 17: 4, Apr. 15. 1939.
- (With N. McKaig, Bur. Plant Indus.). The influence of the soil on the chemical composition of Louisiana sugarcane juices. Internatl. Soc. Sugar Cane Technologists Procs. 6: 319-325. 1938.
- The influence of sirup composition on sugar quality. In Internatl. Soc. Sugar Cane Technologists Procs. 6: 1005-1018. 1938.
- HENDRICKS, S. B. The crystal structure of Nacrite ( $Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$ ) and the polymorphism of the kaolin minerals. Z. Kristallogr. (A) 100: 509-518. 1939.
- JONES, D. B. and DIVINE, J. P. Of stars, men and atoms. Evening Star [Washington, D. C.] Apr. 11, 1939.
- McCALIP, M. A. and HALL, F. H. Effect on factory cane juices and sirups of leuconostoc mesenteroides isolated from frost damaged Louisiana sugarcane of the 1937 crop. Internatl. Soc. Sugar Cane Technologists Procs., 6: 986-1004. 1938.
- PEASE, V. A. (Book Review) The structure and composition of foods. Volume IV. Sugar, sirup, honey, tea, coffee, cocoa, spices, extracts, yeast, baking powder, by Andrew L. and Kate Barker Winton. Indus. & Engin. Chem., News Ed., 17: 172. Mar. 1939.
- PHILLIPS, M. Studies in the quantitative estimation of lignin IV. The effect of certain proteins on the determination of lignin by the fuming hydrochloric acid method. Jour. Assoc. Offl. Agr. Chem. 22: 422-427. May 1939.
- PRICE, D. J. A national program on dust explosion and fire prevention in handling, harvesting, milling, and storing of agricultural products. Internatl. Assoc. of Fire Chiefs, 66: 26-30. 1938.
- VON LOESECKE, H. W. and FULLEY, G. N. Physical characteristics of Florida orange oil produced during 1937-38 season. Fruit Prods. Jour. and Amer. Vinegar Indus. 18: 228-230, 249-251. Apr. 1939.
- WULF, O. R. and MELVIN, E. H. Some band spectra in emission at atmospheric pressure and ordinary temperature. (Abstract). Summer Conf. on Spectroscopy and Its Application Procs., 6: 150. 1938.

Bureau of Entomology and Plant Quarantine

- BABCOCK, O. G. Control of goat lice with sulphur. Southwest. Sheep and Goat Raiser, 9(13/14): 7, 31, Apr.-May 1939.
- BACK, E. A. House insulation and insect infestations. Ent. Soc. Wash. Proc. 41: 129-136. Apr. 1939.
- BRODY, A. L. Natural foods of *Cochliomyia americana*, the true screwworm. Jour. Econ. Ent. 32: 346-347. Apr. 1939.
- BUSCK, AUGUST. Restriction of the genus *Gelechia* (Lepidoptera: Gelechiidae), with descriptions of new genera. U. S. Natl. Mus. Proc. 86: 563-593. May 23, 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (Continued)

- CHAMBERLIN, T. R., and SEATON, LEE (With C. L. FLUKE and J. A. CALLENBACH, Wisconsin College of Agriculture). White grub eggs least abundant in corn. Wis. Agr. Expt. Sta. Ann. Rpt. 50 (1937-1938), Pt. II: 41-42. Mar. 1939. (Wis. Agr. Expt. Sta. Bul. No. 443.)
- DOUGLAS, W. A. Studies of rice stinkbug populations with special reference to local migration. Jour. Econ. Ent. 32: 300-303. Apr. 1939.
- EWING, K. P. and CRAWFORD, H. J. Egg parasites of the cotton flea hopper. Jour. Econ. Ent. 32: 303-305. Apr. 1939.
- FAHEY, J. E. and RUSK, H. W. Possible changes in ratio of lead to arsenious oxide in lead arsenate residues on apples. Jour. Econ. Ent. 32: 319-322. Apr. 1939.
- FAHEY, J. E., RUSK, H. W., STEINER, L. F., and SAZAMA, R. F. Removal of nicotine-bentonite spray residues from apples at harvest. Ind. Hort. Soc. Trans. (1938) 78: 114-116. 1939.
- GOODHUE, L. D. and GOODEN, E. L. Sedimentation and microprojection methods for determining particle-size distribution of insecticidal materials. Jour. Econ. Ent. 32: 334-339. Apr. 1939.
- GURNEY, A. B. A revision of the neotropical genus *Xestoblatta* Hebard (Orthoptera: Blattidae: Pseudomopinae). Ent. Soc. Wash. Proc. 41: [97]-128. Apr. 1939.
- HALLER, H. L. and LaFORGE, F. B. Recent progress in the chemistry of pyrethrum flowers. Pests, 7(5): 9, 10. May 1939.
- HULL, J. B. and DOVE, W. E. (With N. G. PLATTS, St. Lucie County Mosquito District, Fort Pierce, Fla.). Experimental diking for control of sand fly and mosquito breeding in Florida salt-water marshes. Jour. Econ. Ent. 32: 309-312. Apr. 1939.
- JONES, H. A. Derris of high rotenone content. Jour. Econ. Ent. 32: 344. Apr. 1939.
- KOUBA, T. F. (With E. L. CHAMBERS, St. Dept. Agr. Wis., senior author) White pine blister rust in Wisconsin. Wis. Conserv. Bul. 4: 37-48. Apr. 1939.
- LAAKE, E. W. and SMITH, C. L. The development of immunity in cavies to the larvae of *Cochliomyia americana* C. & P. Jour. Econ. Ent. 32: 339-342. Apr. 1939.
- MELANDER, L. W. Battling the barberry. Minn. Conserv. no. 67: 17-18. Apr. 1939.
- MILAM, Joe. Control of insects on burley and dark tobacco. Ky. Farmers' Home Jour. 75: 4-5, 9. May 1939.
- NEWCOMER, E. J. The role of nicotine in codling moth control. Wash. State Hort. Soc. Proc. 34 (1938): 185-190. Discussion, 190-192.
- NICKELS, C. B. and PIERCE, W. C. Experience with the pecan nut casebearer in Texas in 1938. Texas Pecan Growers Assoc. Proc. (1938) 18: 32-35.
- NICKELS, C. B. The timing of spray applications for the control of the pecan nut casebearer. Texas Pecan Growers Assoc. Proc. (1938) 18: 32-35.
- PIERCE, W. C. Control of the obscure scale on pecan with low concentrations of lubricating-oil emulsions. Texas Pecan Growers Assoc. Proc. (1938) 18: 39-45.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- POOS, F. W. Control potato leafhoppers on peanuts. South. Planter, 100(6): 15. June 1939.
- ROARK, R. C. Insect pests of derris. Jour. Econ. Ent. 32: 305-309. Apr. 1939.
- SIEGLER, E. H. and GOODHUE, L. D. Effect of particle size of some insecticides on their toxicity to the codling moth larva. Jour. Econ. Ent. 32: 199-203. Apr. 1939.
- SMITH, F. F. Control of the cyclamen mite on chrysanthemums. Chrysanthemum Soc. Amer. Bul. 7(2): 16-20. 1939.
- STEINER, L. F., FAHEY, J. E., and SUMMERLAND, S. A. Codling moth insecticide investigations in 1938 at the Vincennes Laboratory. Ind. Hort. Soc. Trans. (1938) 78: 86-99. 1939.
- STRONG, L. A. National defense. South. Planter, 100(5): 4, 13, May 1939.
- WADE, J. S. and HEINRICH, CARL. Obituary notice: Charles Russell Ely. Ent. Soc. Wash. Proc. 41: 139-140. Apr. 1939.
- WALTON, W. R. (Book notice) A contribution to the biology of North American vespine wasps. By Carl D. Duncan, Ph. D., Professor of Entomology and Botany, San Jose College, large 8 vo., paper, 272 pp., 54 plates (255 figs.). bibliog., Stanford Univ. Press, Stanford University, Calif. Ent. Soc. Wash. Proc. 41(4): 141, Apr. 1939.

Forest Service

- BROWNE, F. L. Painting your house. Amer. Forests 45: 261-263. May 1939.
- CAMPBELL, R. S. (Book review) Poisonous plants of the United States, by Walter Conrad Muenscher, 266p. The Macmillan company, New York. 1939. Jour. Forestry 37(5): 425. May 1939.
- CHIDESTER, G. H., and MCGOVERN, J. N. Effect of the addition of sodium salts in pulping shortleaf pine with neutral sodium sulphite, liquor. Paper Trade Jour. 108(6): 31-32. Feb. 9, 1939.
- DAVIS, K. P., and Klehm, K. A. Controlled burning in the western white pine type. Jour. Forestry 37: 399-407. May 1939.
- GUTHRIE, J. D. A new American fire medal. Forest Leaves 19(2): 8. Apr. 1939.
- HATTON, J. H. The Ranger's corner. Punching buffalo. Amer. Forests 45: 328. June 1939.
- HICKS, W. T. Economic aspects of cooperative marketing of forest products. Jour. Forestry 37: 392-394. May 1939.
- ISAAC, L. A. A sign that tells a story. Jour. Forestry 37: 423. May 1939.
- JOHNSON, F. R. The National forests and the Mountain club. Trail and Timberline 245: 55-56. May 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- LENZ, G. H. (Book review) Cutting and selling pine pulpwood, by C. H. Schaeffer 39 p. illus. South Carolina; Commission of forestry. Columbia, S. C. 1938. Jour. Forestry 37: 429-430. May 1939.
- MAKI, T. E. (Book reviews) To hold this soil, by Russell Lord. U. S. Dept. agric. Misc. Pub. 321. 123p. illus. Gov't. printing office, Washington, D. C. 1938; Behold our land, by Russell Lord. 31Op. illus. Houghton Mifflin company, Boston. 1938. Jour. Forestry 37: 430-432. May 1939.
- MOLLERHAUSE, WILLIAM Jr. Table mountain pine - squirrel food or timber tree. Jour. Forestry 37: 420-421. May 1939.
- PEARSON, G. A. Mortality in cutover stands of ponderosa pine. Jour. Forestry 37: 383-387. May 1939.
- RAPRAEGER, E. F. Range of log prices -- 1938. Northern Rocky mountain region. Timberman 40(7): 28. May 1939.
- RITTER, G. J. Crystal arrangement and swelling properties of fibers and rays cells in basswood holcoellulose. Paper Trade Jour. 108(6): 33-37. Feb. 9, 1939.
- RUDOLF, P. O. Why forest plantations fail. Jour. Forestry 37: 377-383. May 1939.
- SCHREINER, E. J. (Book review) The black poplars and their hybrids cultivated in Britain, by G. S. Cansdale and members of the staff of the Imperial forestry institute. 52p. plate. University press, Oxford. 1938. Jour. Forestry 37: 426-427. May 1939.
- SHIRLEY, H. L. Tree growth, by Daniel T. MacDougal. 24Op. illus. Chronica Botanica co., Leiden (Holland) and G. E. Stechert, New York. 1938. Jour. Forestry 37: 426-427. May 1939. (Book review)
- SNOW, A. G., Jr. (Book review) Plant growth substances. Their chemistry and applications, with special reference to synthetics, by Hugh Nicol. 108p. illus. Leonard Hill, Ltd., London, and Chemical publishing company, New York. 1938. Jour. Forestry 37: 427-428. May 1939.
- SPARHAWK, W. N. (Book review) Der Wald (The Forest), by Richard B. Hilf. 290 p. illus. Akademische Verlagsgesellschaft Athenaion, Potsdam. 1938. Jour. Forestry 37: 425-426. May 1939.
- STUART, ALICE. Accessibility of National forests for recreation. map. Jour. Forestry 37: 408-412. May 1939.
- TIEMANN, H. D. Lessons in wood technology. XI. Angiosperms: woods with pores of uniform size. South. Lumberman 158(1995): 41-43. May 15, 1939.
- TURBERVILLE, H. W., and HOUGH, A. F. Errors in age counts of suppressed trees. Jour. Forestry 37: 417-418. May 1939.
- WOOD, O. M. The use of "Gosseneck" and six's thermometers for measuring soil temperature. Jour. Forestry 37: 421-423. May 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

(continued)

Bureau of Plant Industry

- ARCHER, W. A. Plant exploration in Latin America. (Abstract) Jour. Wash. Acad. Sci. 29:231. May 15, 1939.
- AUCHTER, E. C. The interrelation of soils and plant, animal and human nutrition. Science 89: 421-427. May 12, 1939.
- BEATTIE, R. K. Persimmon wilt. Tenn. State Hort. Soc. Proc. (1937) 33: 56-60. [1938]
- BENNETT, C. W. The nomenclature of plant viruses. Phytopathology 29: 422-430. May 1939.
- BROWN, B. E. and HOUGHLAND, G. V. C. (With H. H. Zimmerley, Va. Truck Expt. Sta., W. H. Redit, and L. G. Schoenleber, Bur. of Agr. Engin.) Further studies on the placement of fertilizer for potatoes. Amer. Potato Jour. 16:81-93. Apr. 1939.
- BULLOCK, J. F. Tobacco station - Oxford, N. C. Varietal studies of flue-cured tobacco for improvement of quality and to develop disease resistance. N. C. Dept. Agr. Rpt. 1936/37-1937/38: 63-64. 1938. (In cooperation)
- CALDWELL, J. S. Factors influencing quality of sweet corn. Canning Trade 61(42): 7-8. May 22, 1939.
- CARR, J. M. Results of experiments on methods and time of applying fertilizers to flue-cured tobacco, Tifton, Georgia, 1938. Natl. Joint Com. Fert. Application Proc. (1938) 14:54-58. [1939]
- CLARK, C. F. and others. Report of the Potato variety nomenclature committee. Amer. Potato Jour. 16:103-104. Apr. 1939.
- COX, G. M. (With M. G. Weiss, Iowa Agr. Expt. Sta., senior author) Balanced incomplete block and lattice square designs for testing yield differences among large numbers of soybean varieties. Iowa Agr. Expt. Sta. Research Bull. 257. p. 291-316. Apr. 1939.
- DARROW, G. M. (With M. E. Gardner, E. B. Morrow, C. F. Williams, & R. Schmidt, N. C. Agr. Expt. Sta.) Coastal Plain Station - Willard, N. C. Horticulture. N. C. Dept. Agr. Rpt. 1936/37-1937/38: 87-92. 1938.
- Leaf variegation in strawberries not considered a virus disease. Tenn. State Hort. Soc. Proc. (1937) 33: 41-46. [1938]
- DRECHSLER, C. Several species of Pythium causing blossom-end rot of watermelons. Phytopathology 29: 391-422. May 1939.
- EDMUNDSON, W. C. Sun injury to cut potato seed. Amer. Potato Jour. 16:98-103. Apr. 1939.
- EVANS, M. W. Relation of latitude to certain phases of the growth of timothy. Amer. Jour. Bot. 26: 212-218. Apr. 1939.
- FOSTER, A. C. The effect of environment on the metabolism and blossom-end rot disease in tomato. (Abstract) Jour. Wash. Acad. Sci. 29: 230-231. May 15, 1939.
- GARNER, W. W. Some aspects of the physiology and nutrition of tobacco. Jour. Amer. Soc. Agron. 31:459-471. May 1939.
- MOSS, E. G. and YOUNG, J. P. Upper Coastal Plain station - Rocky Mount, N. C. Agronomy. N. C. Dept. Agr. Rpt. 1936/37-1937/38: 92-96. 1938. (In cooperation)



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- GEORGE, E. J. Farm windbreak. Handling trees to withstand drought conditions. N. D. Agr. Expt. Sta. Bimo. Bull. 1(5): 11-14. May 1939.  
 (In cooperation)
- HARTER, L. L. Influence of light on the length of the conidia in certain species of *Fusarium*. Amer. Jour. Bot. 26: 234-243. Apr. 1939.
- HILDRETH, A. C. and MITCHELL, J. W. Spraying is a new method of applying root-promoting substances. Florists' Rev. 84 (2165): 13. May 25, 1939.
- HODGSON, C. W. (With C. M. Harrison, Mich. Agr. Expt. Sta., senior author) Response of certain perennial grasses to cutting treatments. Jour. Amer. Soc. Agron. 31: 418-430. May 1939.
- HOUGHMAN, G. V. C. The significance of methods of fertilizer application on potatoes as influenced by weather, particularly weather immediately following planting. Natl. Joint Com. Fert. Application Proc. (1938) 14: 161-164. [1939]
- HURD-KARLER, A. M. Antagonism of certain elements essential to plants towards chemically related toxic elements. Plant Physiol. 14: 9-29. Jan. 1939.
- JENKINS, A. E. New species of *Taphrina* on red maple and on silver maple. Jour. Wash. Acad. Sci. 29: 222-230. May 15, 1939.
- JOHNSTON, C. O. and LEFEBVRE, C. L. A chlorotic mottling of wheat leaves caused by infections of bunt *Tilletia laevis*. Phytopathology 29: 456-458. May 1939.
- JUGENHEIMER, R. W. Hybrid corn in Kansas. Kans. Agr. Expt. Sta. Circ., 196. 19 p. Feb. 1939. (In cooperation)
- LILL, J. G. and HURST, L. A. (With R. M. Salter, Ohio Agr. Expt. Sta. & G. A. Cumings, Bur. Agr. Engin.) The 1938 fertilizer-placement test with sugar beets at Holgate, Ohio. Natl. Joint Com. Fert. Application Proc. (1938) 14: 132-133. [1939]
- MCKAIG, N. JR. and BOWEN, A. B. Results of machine application of fertilizer to cotton in South Carolina - 1938. Natl. Joint Com. Fert. Application Proc. (1938) 14: 24-28. [1939]
- MOMURTREY, J. E. Significance of methods of fertilizer application on tobacco as influenced by weather, particularly weather immediately following application and transplanting, 1933-1937. Natl. Joint Com. Fert. Application Proc. (1938) 14: 165-167. [1939]
- MOSS, E. G. Anybody can grow tobacco but harvesting and curing test your skill. Prog. Farmer Car.-Va. Ed. 54(6): 10. June 1939.
- Tobacco station - Oxford, N. C. N. C. Dept. Agr. Rpt. 1936/37-1937/38: 58-63. 1938. (In cooperation)
- PIERCE, L. Scab control and spray russet on apple. Hoosier Hort. 21: 69-72. May 1939.
- RANDOLPH, L. F. (With H. E. Fischer, Cornell Agr. Expt. Sta.) The occurrence of parthenogenetic diploids in tetraploid maize. Natl. Acad. Sci. Proc. 25: 161-164. Apr. 15, 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- ROLLER, E. M. and MCKAIG, N. Jr. Some critical studies of the phenoldi-sulfonic acid method for the determination of nitrates. Soil Sci. 47: 397-407. May 1939.
- ROMBERG, L. D. and SMITH, C. L. A preliminary report on the effects of indolebutyric acid in the rooting of transplanted pecan trees. Tex. Pecan Growers' Assoc. Proc. 18: 45-48. 1938.
- ROSENFELS, R. S. (With A. S. Crafts, Calif. Agr. Expt. Sta.) Arsenic fixation in relation to the sterilization of soils with sodium arsenite. Hilgardia 12: 203-299. Jan. 1939.
- (With A. S. Crafts, Calif. Agr. Expt. Sta., senior author)  
Toxicity studies with arsenic in eighty California soils. Hilgardia 12: 177-200. Jan. 1939.
- SCHOTH, H. A. Seed production of turf grasses on the Pacific Coast. Turf culture 1:111-119. Apr. 1939.
- SHAW, K. J. Tobacco station - Oxford, N. C. Tobacco root knot. N. C. Dept. Agr. Rpt. 1936/37-1937/38: 65. 1938. (In cooperation)
- SITTON, B. G., ALBEN, A. O., DODGE, F. N. and HAMMAR, H. E. Progress report of the influence of cultural treatments upon moisture and nitrate nitrogen of the soil and upon tree growth and yield of pecans. (Abstract) Tex. Pecan Growers Assoc. Proc. 18: 30-31. 1938.
- SKINNER, J. J. (With W. H. Redit, Bur. Agr. Engin.) Summary of fertilizer placement experiments with cotton - 1938. Results of experiments in North Carolina, South Carolina, and Georgia. Natl. Joint Com. Fert. Application Proc. (1938) 14: 18-21. [1939]
- SMITH, C. L. and ROMBERG, L. D. A method for the treatment of cuttings and roots of the pecan with root-inducing chemicals. Plant Physiol. 14: 177-178. Jan. 1939.
- SMITH, G. M. Golden Cross Bantam for Indiana. Ind. State Veg. Growers' Assoc. Program Rev. 10: 7-8. 1939.
- SMITH, G. S. Durum wheat breeding. N. Dak. Agr. Expt. Sta. Bimo. Bull. 1(4): 10-12. Mar. 1939.
- SMITH, T. E. Tobacco station - Oxford, N. C. Granville wilt. N. C. Dept. Agr. Rpt. 1936/37-1937/38: 64-65. 1938. (In cooperation)
- SPRAGUE, G. F. Heritable characters in Maize. Jour. Heredity 30: 143-145. Apr. 1939.
- STEVENSON, F. J. Potato varieties better suited to a specific set of growing conditions. Ohio Veg. & Potato Grow. Assoc. Proc. 24:14-18. 1939.
- Variability in cooking quality in potatoes. Ohio Veg. & Potato Grow. Assoc. Proc. 24:42-46. 1939.
- STITT, R. E. Piedmont station - Statesville, N. C. Forage crops. N. C. Dept. Agr. Rpt. 1936/37-1937/38: 79-80. 1938. (In cooperation)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- SWINGLE, W. T. Clymenia and Burkillanthus, new genera, also three new species of Pleiospermium (Rutaceae-Aurantioideae). Jour. Arnold Arbor. 20: 250-263. Apr. 1939.
- THOM, C. and STEINBERG, R. A. The chemical induction of genetic changes in fungi. (Abstract) Science 89:402. May 5, 1939.
- THOM, C. The middle ten years, 1904-1914. (Fiftieth anniversary, 1888-1938.) Conn. (Storrs) Agr. Expt. Sta. Bull. 228:59-61. Oct. 1938.
- WHITEMAN, T. M. Effects of different storage temperatures on the forcing of paperwhite narcissus. Florists' Exch. 92 (19): 9, 12. May 13, 1939.

Bureau of Public Roads

- CRITZ, P. F. Experimental bituminous-treated surfaces on sand-clay and marl bases; report on experiments in South Carolina. Public roads 20: 21-44, Apr. 1939.
- JAMES, E. W. Elección de un sistema Panamericano de carreteras. Ingeniería internatl. 27: 12-13, Apr. 1939.
- MacDONALD, T. E. An action programme to advance safety on the highways. Indian roads 14: 4-8, Dec. 1938.
- RIDDLE, J. E. Planning future roads for West Virginia. West Va. highways 19: 4-8, Mar. 1939.

Soil Conservation Service

- BENNETT, H.H. The land and the people. Sci. No. 48: 534-546. June 1939.
- FOX, A.C. Annual crop buffer windbreaks. Natural wildlife feeding stations beneficial to birds. Dakota Farmer 59: 96-97. Mar. 11, 1939.
- HILLMAN, V.R. Engineering in soil and water conservation. Agr. Engin. 20: 197-198. May 1939.
- McCALL, A.G. Jacob Goodale Lipman. Science 89: 378-379. Apr. 29, 1939.
- PRESTON, J.F. The approach to farm forestry. Jour. Forestry 37: 367-370. May 1939.
- ROBERTS, E.D.G. The land utilization program in the southern great plains. N.Mex.Bus.Rev. 7: 170-175. July 1938.
- STEVENS, R.O. Wildlife conservation training. N.C. Wildlife Conserv. 3 (5): 7, 14-15. May 1939.
- STEWART, H.C. The Soil conservation service activities in the southwest. N.Mex. Bus. Rev. 7: 176-186. July 1938.
- THORNTHWAITE, C.W. and HOLZMAN, Benjamin. The determination of evaporation from land and water surfaces. U.S. Mo. Weather Rev. 67: 4-11. Jan. 1939.
- WHITFIELD, C.J. and FLY, C.L. Vegetational changes as a result of furrowing on pasture and range lands. Jour. Amer. Soc. Agron. 31: 413-417. May 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK

Alabama

- DISEKER, E. G.    A method of measuring runoff velocity as related to soil movement between terraces.    Agr. Engin. 20: 195-196.    May 1939.
- VOLK, N. J.    Oxidation and reduction potentials as related to soil characteristics and plant growth. (Abstract)    Soil Sci. Soc. Amer. Proc. v. 3(1938): 122.    [1939]

Arizona

- BUEHRER, T. F. (With C. M. MASON and J. A. CROWDER, Univ. Ariz.)    The chemical composition of rayless goldenrod (*Aplopappus hartwegi*).    Amer. Jour. Pharm. 3: 105-112.    March 1939.
- LINES, K. W.    The relationship between fat content of fresh milk and its apparent acidity.    Jour. Dairy Sci. 22: 337-344.    May 1939.

Arkansas

- CARTER, D. G.    Costs and values in rural housing.    Agr. Engin. 20: 199-200.    May 1939.
- ISELY, D.    Distribution of the vegetable weevil in Arkansas.    Kans. Ent. Soc. Jour. 12: 30.    Jan. 1939.
- SANPETERSON, M. W.    A new genus of Scarabaeidae with descriptions and notes on Phyllophaga.    Kans. Ent. Soc. Jour. 12: 1-15.    Jan. 1939.
- SURE, B., and THEIS, R. M.    Influence of hyperthyroidism on vitamin C content of various endocrines and tissues.    Endocrinol. 24: 672-678.    May 1939.

California

- BABCOCK, E. B. (With M. S. CAVE, Univ. Calif.)    A study of intra- and inter-specific relations of *Crepis foetida* L.    Ztschr. Induktive Abstam. u. Vererbungslehre 75: 124-160.    1938.
- BATCHELOR, L. D., and WEBBER, H. J.    Progress report of lemon rootstock experiments.    Calif. Citrograph 24: 160-161, 190-191.    March 1939.
- BEACH, J. R. [and others]    Report of the Special committee on poultry diseases.    Jour. Amer. Vet. Med. Assoc. 94(4) pt. 1: 311-313.    April 1939.
- BODMAN, G. B. (With E. F. HARRADINE, Univ. Calif.)    Mean effective pore size and clay migration during water percolation in soils.    Soil Sci. Soc. Amer. Proc. 3(1938): 44-51.    [1939]
- COLE, H. H.    The endocrine control of growth.    Amer. Soc. Anim. Prod. Proc. 31(1938): 20-26.    1938.
- CRAFTS, A. S.    The relation of nutrients to toxicity of arsenic, borax, and chlorate in soils.    Jour. Agr. Research [U. S.] 58: 637-671.    May 1, 1939.    (In Coop. with U. S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- ERDMAN, H. E. (With W. W. TAYLOR, Univ. Calif.) Evolution of a plan for intra-association shifting of the capital obligations among members. Jour. Farm Econ. 21: 462-469. May 1939.
- EVANS, H. M. (With G. A. EMERSON) Degrees of sterility in the female rat held on E-free rations. (Abstract) Science 89: 438-439. May 12, 1939.
- EVANS, H. M. Endocrine glands; gonads, pituitary, and adrenals. Ann. Rev. Physiol. v. 1(1939): 577-652. 1939.
- FAWCETT, H. S. Scaly bark in relation to propagation of citrus trees. Calif. Citrograph 24: 242-262. May 1939.
- FROST, H. B. Performance of the varieties of citrus since 1935. Calif. Citrograph 24: 172. March 1939.
- HART, G. H. The importance of endocrinology to the animal husbandman. Amer. Soc. Anim. Prod. Proc. 31(1938): 35-40. 1938.
- HUGHES, E. H. Further studies on the vitamin-B complex as it relates to growth and metabolism in the pig. (Abstract) Amer. Soc. Anim. Prod. Proc. 31(1938): 332-333. 1938.
- JACK, E. L. Water sorption by dry milk solids. I. The effect of processing treatments on volume contraction. Jour. Dairy Sci. 22:353-361. May 1939.
- KELLEY, W. P. Effect of dilution on the water-soluble and exchangeable bases of alkali soils and its bearing on the salt tolerance of plants. Soil Sci. 47: 367-375. May 1939.
- KITTREDGE, J., Jr. The annual accumulation and creep of litter and other surface materials in the chaparral of the San Gabriel mountains, Calif. Jour. Agr. Research [U. S.] 58: 537-541. April 1, 1939.
- KITTREDGE, J., Jr. The forest floor of the chaparral in San Gabriel mountains, Calif. Jour. Agr. Research [U. S.] 58: 521-535. April 1, 1939.
- KLEIBER, M. Food value and metabolic unit of body size. Amer. Soc. Anim. Prod. Proc. 31(1938): 341-342. 1938.
- LESLEY, J. W., and LESLEY, M. Unfruitfulness in the tomato caused by male sterility. Jour. Agr. Research [U. S.] 58: 621-630. April 15, 1939.
- LUBBEHUSEN, R. E., and STACH, J. R. Adult poultry mortality of non-infectious origin. Jour. Amer. Vet. Med. Assoc. 94: 209-222. March 1939. (R. E. Lubbehusen, Univ. Calif.)
- OLMO, H. P. Breeding new grape varieties. Wine Rev. 7: 8-10, 32. April 1939.
- SCHLIM, O. W., and FARING, C. H. A method of preparing bovine udders for the study of the pathology of mastitis. Jour. Amer. Vet. Med. Assoc. 94(4) pt. 2: 372-373. April 1939.
- SHAW, C. F. New soil series names - 1938. Soil Sci. Soc. Amer. Proc. 3(1938): 280-287. [1939]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- SMITH, R. H. Observations in the ilicis mite, *Paratetranychus ilicis* McGregor. Calif. Dept. Agr. Bul. 28: 240-242. March 1939.
- STORIE, R. E. Effect of claypan on the growth and production of apples in California. Soil Sci. Soc. Amer. Proc. V.3(1938): 317-322. [1939]
- TOMPKINS, C. M., ARK, P. A., TUCKER, C. M., and MIDDLETON, J. T. Soft rot of pumpkin and watermelon fruits caused by *Pythium ultimum*. Jour. Agr. Research [U. S.] 58: 461-475. March 15, 1939.
- WEEKS, D. (With H. R. JOSEPHSON, U. S. Dept. Agr.) Economic criteria for classifying nonurban land according to probable best use. Jour. Farm Econ. 21:419-434. May 1939.

Colorado

- BARR, C. G. Organic reserves in field bindweed as affected by cultivation. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2:31. April 1939.
- COLEMAN, O. H., and GARDNER, R. Comparison of methods of determining small quantities of HCN. Soil Sci. 47:409-413. May 1939.
- DEEM, A. W., THORP, F., Jr., and DURREL, L. W. Range plant newly found to be poisonous. Science 89: 435. May 12, 1939.
- Picradeniopsis oppositifolia* (Nutt.) Rydb. or *Bahia oppositifolia* A. Gray. carbon dioxide on tomato fruits and greenhouse plants. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 39. April 1939.
- KREUTZER, W. A. Further studies on the pink-root disease of onions. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2:33. April 1939.
- KREUTZER, W. A., and DURREL, L. W. Rot of mature tap root of sugar beet caused by *Pythium butleri*. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 32. April 1939.
- LUTE, A. M. New facts about old seeds. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2:30. April 1939.
- NELSON, E. W. The source of blue grama seed and its variability. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2:36. April 1939.
- PALMER, M. A. Observations on vagabond gall aphids on cottonwood. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 37. April 1939.
- PALMER, M. A. Two unusual species of aphids infesting wheat. (Note) Jour. Econ. Ent. 32: 345-346. April 1939.
- REUSZER, H. W. (With R. V. MONK, Colo. State Col.) A note on the composition of Russian thistle. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 31. April 1939.
- THORNTON, B. J. Control of field bindweed by cultivation. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 30-31. April 1939.
- THORNTON, B. J. Recent developments in the use of sodium chlorate in bindweed control. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 33-34. April 1939.



-----

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Colorado (Continued)

- THORP, F. Jr., and DEEM, A. W. *Suckleya suckleyana*, a poisonous plant. Jour. Amer. Vet. Med. Assoc. 94: 192-197. March 1939.
- WILGUS, H. S., Jr., and PATTON, A. R. The availability of manganese in avian digestion. Science 89: 393. April 28, 1939.

Connecticut (Storrs)

- BROWN, B. A., and MUNSELL, R. I. Soil acidity at various depths as influenced by time since application, placement, and amount of limestone. Soil Sci. Soc. Amer. Proc. v.3(1938): 217-221. [1939]
- MUNSELL, R. I., and BROWN, B. A. The nitrogen content of grasses as influenced by kind, frequency of application, and amount of nitrogenous fertilizer. Jour. Amer. Soc. Agron. 31: 388-398. May 1939.

Delaware

- MacCREARY, D. Comparative results obtained by the use of several mosquito traps in a limited area. Jour. Econ. Ent. 32: 216-219. April 1939.
- PIERPONT, R. L. Japanese beetle control tests on American elm trees in Delaware. Jour. Econ. Ent. 32: 253-255. April 1939.
- STEARNS, L. A., KADOW, K. J., and GOODWIN, M. W. Effect of copper fungicides on lead-arsenate-lime and fixed nicotine-oil sprays for codling moth. Jour. Econ. Ent. 32: 270-273. April 1939.

Florida

- CAMP, A. F. Boron in citrus nutrition in Florida. Citrus Indus. 20: 6-7, 18. Feb. 1939.
- EMMEL, M. W. Sulfured soil for poultry yards. Jour. Amer. Vet. Med. Assoc. 94(4) pt. 2: 409-410. April 1939.
- ROGERS, L. H. Spectrographic microdetermination of copper. Indus. and Engin. Chem. (Anal. Ed.) 11: 47-48. Jan. 15, 1939.
- WATSON, J. R. Florida entomological conditions in 1938. Citrus Indus. 20: 11, 14. Feb. 1939.
- WATSON, J. R., and PREER, J. R. Two new Thysanoptera from Florida. Fla. Ent: 22: 1-5. Feb. 1939.

Georgia

- EDWARDS, F. R. Effects of climatic factors on livestock. Amer. Soc. Anim. Prod. Proc. 31(1938): 48-53. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Georgia (Continued)

- JENKINS, W. A. The development of *Mycosphaerella berkeleyi*. Jour. Agr. Research [U. S.] 58: 617-620. April 15, 1939.
- WADSWORTH, H. A. Some factors influencing the heat of wetting of soils. Soil Sci. 47: 385-390. May 1939.
- WOODROOF, J. G. Media for the immersion method of freezing. Canning Age 20: 249-250. May 1939.

Idaho

- BOLIN, D. W., and SCHROEDER, W.  
The calcium-phosphorus ratio of the skins of canning peas and its relation to maturity. Jour. Agr. Research [U. S.] 58: 631-636. April 15, 1939.
- SCHOTT, R. G., GILDOW, E. M., and PHILLIPS, R. W. Problems in long-range insemination of livestock. Amer. Soc. Anim. Prod. Proc. 31(1938): 241-246. 1938. (R. G. Schott and R. W. Phillips, U. S. Dept. Agr.)

Illinois

- ANDERSON, H. W. Apple fungicide schedule for 1939. Ill. State Hort. Soc. Trans. v. 72(1938): 376-383. [1939]
- ANDERSON, H. W. Recent advances in our knowledge of bacterial spot of peach. Ill. State Hort. Soc. Trans. v. 72(1938) 479-487. [1939]
- ANDERSON, H. W. Secondary diseases of the apple. Ill. State Hort. Soc. Trans. v. 72(1938): 168-176. [1939]
- BARTLETT, R. W. Increasing the consumption of milk. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 144-155. [1939?] Mimeographed.
- BARTLETT, R. W. Why farm prices of milk change. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 188-193. [1939?] Mimeographed.
- BRANNON, J. M. A review of our present knowledge of enzymes affecting dairy products. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 194-212. [1939?] Mimeographed.
- BRANNON, J. M. What a scientist sees under a microscope. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs, Conf. Manual (1938): 227-241. [1939?] Mimeographed.
- BRAY, R. H., and DeTURK, E. E. The release of potassium from non-replaceable forms in Illinois soils. Soil Sci. Soc. Amer. Proc. v. 3(1938): 101-106. [1939]
- COLBY, A. S. Growing strawberries. Ill. State Veg. Growers Assoc. Ann. Rpt. 8(1938): 65-71. [1939?]
- CORBETT, W. J. Coffee as a factor in the feathering of cream. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 104-109. [1939?] Mimeographed.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (Continued)

- CORBETT, W. J. Sanitary problems in connection with the use of the homogenizer. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 50-55. [1939?] Mimeographed.
- CORBETT, W. J. Sherberts, ices, and special mixes. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 116-130. 1939. Mimeographed.
- CORBETT, W. J. Sugars and stabilizers for ice cream. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 33-38. 1939. Mimeographed.
- CORBETT, W. J. Use of low-lactose milk solids in ice cream. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 171-176. [1939?] Mimeographed.
- Same title appeared in Ice Cream Rev. 22: 34, 68, 70, 71. Jan. 1939.
- DeTURK, E. E. Changes in the soil of the Morrow plots which have accompanied long-continued cropping. (Abstract) Soil Sci. Soc. Amer. Proc. v. 3 (1938): 83-85. [1939]
- DORSEY, M. J. Apple thinning. I. An analysis of bloom. Ill. State Hort. Soc. Trans. v. 72(1938): 410-415. [1939]
- DORSEY, M. J. Apple thinning. II. The relation of thinning to size and the off year. Ill. State Hort. Soc. Trans. v. 72(1938): 472-477. [1939]
- DORSEY, M. J. Hardy peach varieties. Ill. State Hort. Soc. Trans. v. 72 (1938): 371-375. [1939]
- DORSEY, M. J. Tree conditioning the fruit crop. Tenn. State Hort. Soc. Proc. 34(1938): 54-58. [1939]
- FAIRBANKS, B. W. The calcium-phosphorus ratio. North Amer. Vet. 20: 17-21. Jan. 1939.
- FAIRBANKS, B. W. Cobalt in nutrition. North Amer. Vet. 20: 33-38. March 1939.
- FAIRBANKS, B. W. Roughage for livestock. North Amer. Vet. 20: 31-37. Feb. 1939.
- FARRAR, M. D., CHANDLER, S. C., POWELL, D., and FLINT, W. P. 1938 results with lead arsenate substitutes. Ill. State Hort. Soc. Trans. v. 72 (1938): 501-507. [1939] (M. D. Farrar, S. C. Chandler, and D. Powell, Ill. Nat. Hist. Surv.)
- FLINT, W. P. Apple leafhopper, leafroller, and curculio control in apple orchards. Ill. State Hort. Soc. Trans. v. 72(1938): 385-392. [1939]
- FLINT, W. P. 1938 experiments in codling moth control in the eastern states. Ill. State Hort. Soc. Trans. v. 72(1938): 177-179. [1939]
- FLINT, W. P. Truck crop sprayers and dusters. Ill. State Veg. Growers Assoc. Ann. Rpt. 8(1938): 40-41. [1939?]
- FUELLMAN, R. F., and BURLISON, W. L. Pasture yields and consumption under grazing conditions. Jour. Amer. Soc. Agron. 31: 399-412. May 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (Continued)

- HAHN, A. J. Milk products used in ice cream. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 47-50. 1939. Mimeographed.
- HAHN, A. J., and TRACY, P. H. The phosphatase test for determining the efficiency of pasteurization of ice cream mix. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 96-99. [1939?] Mimeographed.
- HARSHBARGER, K. E., and NEVENS, W. B. The distribution of elements of fertility between feces and urine in dairy cattle. Amer. Soc. Anim. Prod. Proc. 31(1938): 58-61. 1938.
- HUELSSEN, W. A. Breeding vegetable varieties adapted to Illinois conditions. Ill. State Veg. Growers Assoc. Ann. Rpt. 8(1938): 71-74. [1939?]
- KINSMAN, G., SHELDON, D., JENSEN, E., BERNDTS, M., OUTHUSE, J., and MITCHELL, H. H. The utilization of the calcium of milk by pre-school children. Jour. Nutrition 17: 429-441. May 10, 1939. (D. Sheldon, E. Jensen, and M. Berndts, Univ. Ill.)
- MAACK, A. C., and TRACY, P. H. Controlling oxidized flavors. Ice Cream Trade Jour. 35: 32, 34. March 1939. (A. C. Maack, Univ. Ill.)
- MAACK, A. C., and TRACY, P. H. Controlling oxidized flavor in ice cream and sherbets through the use of oat flour. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 161-165. [1939?] Mimeographed. (A. C. Maack, Univ. Ill.)
- McMUNN, R. L. Crop control of apples: the ground problem. Ill. State Hort. Soc. Trans. v. 72(1938): 396-400. [1939]
- McMUNN, R. L. Precipitation in relation to orchard soil cultural practices. Ill. State Hort. Soc. Trans. v. 72(1938): 512-521. [1939]
- McMUNN, R. L. Temperature in relation to peach production in Illinois. Ill. State Hort. Soc. Trans. v. 72(1938): 221-234. [1939]
- OVERMAN, O. B. (With B. F. WHITMORE, Univ. Ill.) Determining the salt content of cheese. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 56-60. [1939?] Mimeographed.
- OVERMAN, O. R., and MENEFEE, S. G. The value of testing in the ice cream industry. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 90-105. 1939. Mimeographed.
- PRUCHA, M. J. Are paper milk containers sanitary? Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 248-254. [1939?] Mimeographed.
- Same title appeared in Milk Plant Mo. 28: 27-28. May 1939.
- PRUCHA, M. J., and PARFITT, E. H. High temperature pasteurization. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 213-220. [1939?] Mimeographed. (E. H. Parfitt, Purdue Univ.)
- PRUCHA, M. J. The sanitary qualities of whipped cream. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 177-187. [1939?] Mimeographed.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (Continued)

- RUEHE, H. A. Controlling the flavor in butter. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 221-226. [1939,] Mimeo-graphed.
- RUEHE, H. A. What can be done to bring about increased ice cream consumption through study of consumer interests. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 163-165. 1939. Mimeo-graphed.
- SAMPSON, J. The diagnosis of nutritional diseases of swine, cattle and sheep. North Amer. Vet. 20: 30-32. March 1939.
- SHAWL, R. I. Increasing plant efficiency by the proper use of lubricants. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 155-162. 1939. Mimeo-graphed.
- TRACY, P. H., and HAHN, A. J. A comparison of concentrated and super-heated condensed skim milk in the manufacture of ice cream. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 166-170. [1939?] Mimeo-graphed.
- TRACY, P. H. Composition of ice cream and mix standardizing. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 58-73. 1939. Mimeo-graphed.
- TRACY, P. H. Mix processing. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 166-170. 1939. Mimeo-graphed.
- TRACY, P. H. Paper containers for milk. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 1-5. [1939?] Mimeo-graphed.
- TRACY, P. H. What can be done to bring about increased ice cream consumption through improved quality. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 106-108. 1939. Mimeo-graphed.
- TUCKEY, S. L. How accurate is the Babcock test? Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 113-124. [1939?] Mimeo-graphed.
- TUCKEY, S. L., and TRACY, P. H. Variation in the composition of churn samples. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 66-78. [1939?] Mimeo-graphed.
- TUCKEY, S. L. What can be done to bring about increased ice cream consumption through better utilization of the sales arguments contained in a quart of good ice cream. Ill.-Univ.-Dept. Dairy Husb., Ice Cream Short Course Manual (1939): 140-146. 1939. Mimeo-graphed.
- YAPP, W. W. Efficiency of milk production as a factor in reducing the cost of milk. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 137-143. [1939?] Mimeo-graphed.
- YAPP, W. W. Relation of regression to selection. Amer. Soc. Anim. Prod. Proc. 31(1938): 272-277. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Indiana

- ADAMS, J., and PARFITT, E. H.    Some factors influencing the amount of mold mycelia in butter.    Jour. Dairy Sci. 22: 367-374.    May 1939.
- AITKENHEAD, W.    A portable hay drier.    Agr. Engin. 20: 179-180.    May 1939.
- BAKER, C. E.    Grower owned and operated cold storages.    Ill. State Hort. Soc. Trans. v. 72(1938): 243-249.    [1939]
- CARR, R. H.    The measurement of freshness of unbroken eggs.    Poultry Sci. 18: 225-231.    May 1939.
- GOULD, G. E., and DEAY, H. O.    The biology of the American cockroach, Ann. Ent. Soc. Amer. 31: 489-498.    Dec. 1938.
- HARTMAN, J. D.    Rapid soil tests used on plots of a vegetable soil acidity experiment.    Soil Sci. Soc. Amer. Proc. v. 3(1938): 138-145. [1939]
- PARFITT, E. H., and BROWN, W. H.    The phosphatase test - its application to sour cream and sour cream butter.    Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 61-65.    [1939?]    Mimeographed.

## Iowa

- BARTLETT, J. B., and NORMAN, A. G.    Changes in the lignin of some plant materials as a result of decomposition.    Soil Sci. Soc. Amer. Proc. v. 3(1938): 210-216.    [1939]
- DAVIDSON, J. B.    Labor efficiency and power economy in corn production. Agr. Engin. 20: 183-186.    May 1939.
- DECKER, G. C., and ANDRE, F.    Biological notes on Blissus iowensis Andre (Hemiptera - Lygaeidae).    Ann. Ent. Soc. Amer. 31: 457-466.    Dec. 1938.
- ERRINGTON, P. L.    Foods of Bob-white in Wisconsin.    Auk 56: 170-173. April 1939.
- GIESE, H., and DUNKELBERG, G. H.    Stressed plywood coverings for poultry brooder houses.    Agr. Engin. 20: 187-189, 194.    May 1939.
- HIXON, R. M. (With B. BRIMHALL, Iowa State Col.)    Rigidity of starch pastes.    Amer. Chem. Soc. Abs. of Papers (1939): 7-8 R.    1939.
- LEE, C. D., and WILCKE, H. L.    Fowl leukosis. IV. Symptoms and pathology. Poultry Sci. 18: 244-249.    May 1939.
- LEE, C. D., and WILCKE, H. L.    Fowl leukosis. V. Transmission experiments. Poultry Sci. 18: 250-254.    May 1939.
- LEE, C. D., and WILCKE, H. L.    The migration of the etiologic agent of fowl leukosis when subjected to electrophoresis.    Jour. Amer. Vet. Med. Assoc. 94: 178-186.    March 1939.
- LUSH, J. L., and ANDERSON, A. L.    A genetic history of Poland-China swine. I. Early breed history: the "hot blood" versus the "big type".    Jour. Heredity 30: 149-156.    April 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Iowa (Continued)

- NICHOLLS, W. H. Some economic aspects of university patents. (Note)  
Jour. Farm Econ. 21: 494-498. May 1939.
- RICHARDSON, C. H., and SEIFERLE, E. J. Stomach poisons and the two-striped grasshopper; special reference to arsenic and fluorine compounds. Jour. Econ. Ent. 32: 297-300. April 1939.
- RUSSELL, M. B., and RICHARDS, L. A. The determination of soil moisture energy relations by centrifugation. Soil Sci. Soc. Amer. Proc. v. 3 (1938): 65-69. [1939]
- SCOTT, T. G., and SELKO, L. F. A census of red foxes and striped skunks in Clay and Boone counties, Iowa. Jour. Wildlife Managt. 3: 92-98. April 1939.
- SIMONSON, R. W., and ENGLEHORN, A. J. Methods of estimating the productive capacities of soils. Soil Sci. Soc. Amer. Proc. v. 3 (1938): 247-252. [1939]
- UNDERBJERG, G. K. L., THOMAS, B. H., and CANNON, C. Y. Effect of decreased body reserves of vitamin E on the reproduction of goats. Amer. Soc. Anim. Prod. Proc. 31(1938): 62-67. 1938.
- WILCKE, H. L. The use of artificial lights for turkeys. Poultry Sci. 18: 236-243. May 1939.

## Kansas

- ACKERT, J. E., EDGAR, S. A., and FRICK, L. P. Goblet cells and age resistance of animals to parasitism. Amer. Micros. Soc. Trans. 58: 81-89. Jan. 1939.
- BARGER, E. L. (With J. ROBERTS, Kans. State Col.) Effect of tire wear on tractor performance. Agr. Engin. 20: 191-194. May 1939.
- BARHAM, H. N. Copper precipitation method for kojic acid determination. Indus. and Engin. Chem. (Anal. Ed.) 11: 31-33. Jan. 15, 1939.
- CONRAD, R. M., and WARREN, D. C. The alternate white and yellow layers of yolk in hens' ova. Poultry Sci. 18: 220-224. May 1939.
- JOHNSTON, C. O., and LEFEBVRE, C. L. A chlorotic mottling of wheat leaves caused by infections of bunt *Tilletia laevis*. Phytopathology 29: 456-458. May 1939.
- McCAMPBELL, C. W. The purpose of a regional sheep and wool investigational program within a state. Amer. Soc. Anim. Prod. Proc. 31(1938): 152-154. 1938.
- MACKINTOSH, D. L. Freezer lockers in Kansas. Amer. Soc. Anim. Prod. Proc. 31(1938): 204-210. 1938.
- MARTIN, W. H. Preparation of sherbets and ices. Ice Cream Rev. 22: 38, 68, 70. May 1939.
- NELSON, F. E. A note on the suitability of various lots of dye for use in the resazurin reduction test. Jour. Dairy Sci. 22: 335-336. May 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Kansas (Continued)

- PERKINS, A. T., and KING, H. H. The solubility and reversion of phosphate in Cherokee loam. Amer. Chem. Soc. Abs. of Papers(1939): 9 A. 1939.
- PETERSON, W. J., HUGHES, J. S., PAYNE L. F. (With W. M. PROUDFIT, Kans. State Col.) The xanthophylls of olive-colored egg yolks. Amer. Chem. Soc. Abs. of Papers (1939): 3-4 B. 1939.
- WHITNAH, C. H., CAULFIELD, W. J., and AVERY, T. B. Preparation and nutritive value of d-ribose from whey. Amer. Chem. Soc. Abs. of Papers (1938): 8-9 B. 1939.
- WHITNAH, C. H., PETERSON, W. J., CAVE, H. W. and ATKESON, F. W. Some effects of feeding vitamin A on the blood and milk of dairy cows. Amer. Chem. Soc. Abs. of Papers (1939): 7 B. 1939.

## Kentucky

- BUCKNER, G. D., GOOD, E. S., and HARMS, A. A discussion of winter feeding of Kentucky thoroughbreds. Amer. Soc. Anim. Prod. Proc. 31(1938): 73-76. 1938.
- ELY, F. Dairy-cattle breeds in Germany. Internatl. Dairy Cong. 11th, Berlin, 1937. Report of the Delegation of the United States: 107-115. 1939.

## Louisiana

- BRAY, C. I., and GAYDEN, H. P. Rough rice and rice screenings compared to corn for fattening hogs. Amer. Soc. Anim. Prod. Proc. 31(1938): 135-137. 1938.
- McCLARY, C. F., and UPP, C. W. Is paralysis of fowls, as manifested by iritis, transmitted through the egg? Poultry Sci. 18: 210-219. May 1939.

## Maine

- DOVE, W. F. The needs of superior individuals as guides to group ascendance. Jour. Heredity 30: 157-163. April 1939.

## Maryland

- CORY, E. N. (With S. L. CROSTHWAIT, Univ. Md.) Some conservation and ecological aspects of mosquito control. Jour. Econ. Ent. 32: 213-215. April 1939.
- DITMAN, L. P. (With G. S. WEILAND, Univ. Md.) The metabolism of the corn ear worm. II. Glycogen and moisture. Ann. Ent. Soc. Amer. 31: 578-587. Dec. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Maryland (Continued)

- DITMAN, L. P. Studies on pea aphid control. Canning Trade 61: 7.  
May 8, 1939.
- MATTHEWS, E. D., and RENEGER, C. A. Soil studies on the causes of the brown root rot of tobacco. Jour. Agr. Research [U. S.] 58: 673-684.  
May 1, 1939.
- ROTHGER, R. G. Sweet corn variety and canning trials. Canning Trade 61: 8. May 8, 1939.

## Massachusetts

- ESSELEN, W. B., Jr. Nutritional gizzard lesions in chicks. Poultry Sci. 18: 201-209. May 1939.
- ESSELEN, W. B., Jr., and FULLER, J. E. The oxidation of ascorbic acid as influenced by intestinal bacteria. Jour. Bact. 37: 501-521. May 1939.
- FELLERS, C. R. (With E. W. HARVEY, Mass. State Col.) Fish preservation by benzoates. Amer. Chem. Soc. Abs. of Papers (1939): 1-2 A. 1939.
- FELLERS, C. R. Health values of pickles and kraut. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 276, 283. May 1939.

## Michigan

- BOUYOUCOS, G. J. Effect of organic matter on the water-holding capacity and the wilting point of mineral soils. Soil Sci. 47: 377-383.  
May 1939.
- COOK, R. L., and MILLAR, C. E. A microtitration method for determining the readily soluble boron in soils. Soil Sci. Soc. Amer. Proc. v. 3 (1938): 146-152. [1939]
- DAVIS, G. K. (With V. A. FREEMAN, Mich. State Col.) The relation of nicotinic acid to necrotic enteritis in swine. Amer. Chem. Soc. Abs. of Papers (1939): 11 B. 1939.
- FABIAN, F. W., KREBL, C. F., and LITTLE, N. W. The influence of spices in causing spoilage of dill pickles. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indust. 18: 274. May 1939.
- FABIAN, F. W., (With R. G. SWITZER, Mich. State Col.) The rate of penetration of cerelose and sucrose in pickles. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 275-276. May 1939.
- GILTNER, W. Milk hygiene in the United States. Vet. Med 34: 346-351. June 1939.
- HARRISON, C. M., and HODGSON, C. W. Response of certain perennial grasses to cutting treatments. Jour. Amer. Soc. Agron. 31: 418-430. May 1939. (In Coop. with U. S. Dept. Agr.)
- HUTSON, R. Control measures for cucumber and cabbage insects. (Abstract) Canner 88: 22, 30. April 1, 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Michigan (Continued)

- LUCAS, P. S. How accurate is the Babcock test? Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1933): 100-103. [1939?] Mimeographed.
- MOORE, L. A. Relationship between carotene, blindness due to constriction of the optic nerve, papillary edema and nystaglopia in calves. Jour. Nutrition 17: 443-459. May 10, 1939.
- SEATON, H. L. (With J. C. KREMER, Mich. State Col.) Factors influencing pollination and shape of pickling cucumbers. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 275. May 1939.
- SEATON, H. L. Practical pickle production from seed to salt. (Abstract) Canner 88: 22. April 1, 1939.
- SWITZER, R. G., RICHARDSON, D. E., and FABIAN, F. W. Experimental work on processing and finishing pickles. I. Rate of diffusion of salt from pickles during the freshening process. Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 260-261, 281, 283. May 1939.
- SWITZER, R. G., and FABIAN, F. W. The influence of carelessness on the flavoring of sweet pickles. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 275. May 1939. (R. G. Switzer, Mich. State Col.)
- SWITZER, R. G., RICHARDSON, D. E., and FABIAN, F. W. The rate of diffusion of salt from pickles during the freshening process. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 276. May 1939. (R. G. Switzer and D. E. Richardson, Mich. State Col.)
- THORP, W. T. S., and HALLMAN, E. T. Pathology of calf pneumonia. Jour. Amer. Vet. Med. Assoc. 94(4), pt. 2: 365-371. April 1939.

## Minnesota

- DOWELL, A. A., and JESSUP, O. B. Economic aspects of hybrid corn. Jour. Farm Econ. 21: 479-488. May 1939.
- KRENIKAMP, H. C. H. Narcosis and anaesthesia in swine produced by pentobarbital sodium. Jour. Amer. Vet. Med. Assoc. 94: 207-208. March 1939.
- KRANTZ, F. A., BECKER, C. L., and FINEMAN, Z. M. Incidence and inheritance of pollen sterility in the potato. Jour. Agr. Research [U. S.] 58: 593-601. April 15, 1939. (In Coop. With U. S. Dept. Agr.)
- LARSON, W. P., BIEBER, R. N., and LEVINE, M. Protective action of sulfapyridine in rabbits infected with pneumococci. Soc. Expt. Biol. and Med. Proc. 40: 703-704. April 1939. (W. P. Larson and R. N. Bieber, Univ. Minn.)
- WINTERS, L. M. The relationship of environment to selection. Amer. Soc. Anim. Prod. Proc. 31(1938): 278-284. 1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Mississippi

- BERLINER, V. R., COWART, F. E., MEANS, R. H., and WRIGHT, J. B. Artificial insemination of horses and jennets for horse, mule and jack-stock production, a preliminary report. Amer. Soc. Anim. Prod. Proc. 31(1938): 233-237. 1938.
- BERLINER, V. R., SHEETS, E. W., MEANS, R. H., and COWART, F. E. Oestrus cycle of jennets and sperm production of jacks. Amer. Soc. Anim. Prod. Proc. 31(1938): 295-298. 1938.
- SHEETS, E. W. Observations of interstate and national cooperation in sheep and wool projects. Amer. Soc. Anim. Prod. Proc. 31(1938): 158-168. 1938.
- SHEETS, O. The effect of the administration of iron, copper, and vitamin C on hemoglobin regeneration and erythrocyte count in a case of human nutritional anemia. Amer. Chem. Soc. Abs. of Papers (1939): 11-12 B. 1939.

## Missouri

- ALBRECHT, W. A., GRAHAM, E. R. (With C. E. FERGUSON, Univ. Mo.) Plant growth and the breakdown of inorganic soil colloids. (Abstract) Soil Sci. Soc. Amer. Proc. v. 3(1938): 100. [1939]
- ALBRECHT, W. A. Variable levels of biological activity in Sanborn field after fifty years of treatment. Soil Sci. Soc. Amer. Proc. v. 3(1938): 77-82. [1939]
- ANDREWS, F. N., and MCKENZIE, F. F. Variations in estrus and ovulation in the mare and breeding results. Amer. Soc. Anim. Prod. Proc. 31(1938): 228-232. 1938.
- BERGMAN, A. J., and TURNER, C. W. A comparison of the guinea pig and chick thyroid in the assay of the thyrotropic hormone. Endocrinol. 24: 656-664. May 1939.
- BRODY, S. Interrelations between endocrines, metabolism, and productive efficiencies in farm animals. Amer. Soc. Anim. Prod. Proc. 31(1938): 17-19. 1938.
- HOGAN, A. G., JOHNSON, S. R., and GAHLEY, E. G. Ration of sow and response of suckling pigs. Amer. Soc. Anim. Prod. Proc. 31(1938): 112-117. 1938.
- HOUGHIN, O. B., and TURNER, C. W. The relation of the pituitary to blood lipids. Endocrinol. 24: 638-644. May 1939.
- REID, W. H. E. The American Dairy Science Association's quality program for dairy products. Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 28-37. [1939?] Mimeographed.
- SPRAGUE, G. F. Heritable characters in maize: 50-vestigial glume. Jour. Heredity 30: 143-145. April 1939. (In Coop. with U. S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Missouri (Continued)

- TROWBRIDGE, E. A. Saddle horses in animal husbandry teaching. Amer. Soc. Anim. Prod. Proc. 31(1938): 92-94. 1938.
- TURNER, C. W. The relation of endocrines to female reproduction and lactation. Amer. Soc. Anim. Prod. Proc. 31(1938): 29-33. 1938.
- TURNER, C. W., and CUPPS, P. T. The thyrotropic hormone in the pituitary of the albino rat during growth, pregnancy and lactation. Endocrinol. 24: 650-655. May 1939.
- WINCHESTER, C. F. Influence of thyroid on egg production. Endocrinol. 24: 697-701. May 1939.

## Montana

- MARSH, H., and WILKINS, H. W. Actinobacillosis in sheep. Jour. Amer. Vet. Med. Assoc. 94(4), pt. 2: 363-364. April 1939.

## Nebraska

- BERTRAMSON, B. R., and RHOADES, H. F. The effects of cropping and manure applications on some physical properties of a heavy soil in eastern Nebraska. Soil Sci. Soc. Amer. Proc. v. 3(1938): 32-36. [1939]
- DAVIS, H. P. Some factors affecting artificial insemination in cattle. Amer. Soc. Anim. Prod. Proc. 31(1938): 246-253. 1938.
- GILLAM, W. S. The geographical distribution of soil black pigment. Jour. Amer. Soc. Agron. 31: 371-387. May 1939.
- GRAMLICH, H. J. The relation of college research to animal husbandry practice. Amer. Soc. Anim. Prod. Proc. 31(1938): 354-360. 1938.

## New Hampshire

- LYFORD, W. H., Jr., Horizon variations of three New Hampshire podzol profiles. Soil Sci. Soc. Amer. Proc. v. 3(1938): 242-246. [1939]

## New Jersey

- BARTLETT, J. W. Silo problems created by grass crops. Agr. Engin. 20: 181-182, 186. May 1939.
- CORDON, T. C., and WAKSMAN, S. A. The microbiological population of composts of stable manure at different temperatures. (Abstract) Soil Sci. Soc. Amer. Proc. v. 3(1938): 179. [1939]
- DRIGGERS, B. F., and O'NEILL, W. J. Experiments with nicotine for the control of codling moth. Jour. Econ. Ent. 32: 286-290. April 1939.
- FILMER, R. S. Importance of controlled mating of queens in the development of high producing strains of honeybees. Jour. Econ. Ent. 32: 223-225. April 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New Jersey (Continued)

- HEUKELEKIAN, H., and LITTMAN, M. L. Carbon and nitrogen transformations in the purification of sewage by the activated sludge process. I. With mixtures of sewage and activated sludge. *Sewage Works Jour.* 11: 226-250. March 1939.
- INGOLS, R. S., and HEUKELEKIAN, H. Buffer values of sewage during purification. *Amer. Chem. Soc. Abs. of Papers* (1939): 9S. 1939.
- JOFFE, J. S., and KOLODNY, L. The effect of alternate drying and wetting on the base-exchange complex with special reference to the behavior of the K-ion. *Soil Sci. Soc. Amer. Proc.* v. 3(1938): 107-111. [1939]
- PEPPER, B. B., and HAENSELER, C. M. Pyrethrum and derris as a control for the six-spotted leafhopper, a vector of lettuce yellows. *Jour. Econ. Ent.* 32: 291-296. April 1939.
- POWERS, G. E., and HEADLEE, T. J. How petroleum oil kills certain mosquito eggs. *Jour. Econ. Ent.* 32: 219-222. April 1939.
- RICHARDS, S. J. Soil moisture content calculations from capillary tension records. *Soil Sci. Soc. Amer. Proc.* v. 3(1938): 57-64. [1939]
- RUDOLFS, W. Colloids in sewage. *Amer. Chem. Soc. Abs. of Papers* (1939): 4S. 1939.

## New Mexico

- WATKINS, W. E. Monthly variation in carotene content of two important range grasses, *Sporobolus flexuosus* and *Bouteloua ericpoda*. *Jour. Agr. Research [U. S.]* 58: 695-699. May 1, 1939.

## New York (Cornell)

- ASDELL, S. A. Combating sterility with hormones. *Amer. Soc. Anim. Prod. Proc.* 31(1938): 33-34. 1938.
- BAUERNFEIND, J. C., and NORRIS, L. C. The antidermatosis vitamin required for reproduction in the domestic fowl. *Science* 89: 416-417. May 5, 1939. (J.C. Bauernfeind, Cornell Univ.)
- BLODGETT, F. M. The effects of some agronomic practices on the incidence of *Rhizoctonia*. *Amer. Potato Jour.* 16: 93-98. April 1939.
- BOYNTON, D. Capillary tension as a measure of the pore space unoccupied by water in some dense orchard subsoils. *Soil Sci.* 47: 347-352. May 1939.
- BOYNTON, D. (With W. REUTHER, Cornell Univ.) A way of sampling soil gases in dense subsoils, and some of its advantages and limitations. *Soil Sci. Soc. Amer. Proc.* V. 3(1938): 37-42. [1939]
- BRADFIELD, R. (With V. C. JAMISON, Cornell Univ.) Soil structure - attempts at its quantitative characterization. *Soil Sci. Soc. Amer. Proc.* v. 3(1938): 70-76. [1939]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (Cornell) (Continued)

- CASKEY, C. D., and NORRIS, L. C. Relative effectiveness of ingested and injected manganese in preventing perosis. Soc. Expt. Biol. and Med. Proc. 40: 590-593. April 1939. Mimeographed.
- EMERSON, R. A. A zygotic lethal in chromosome 1 of maize and its linkage with neighboring genes. Genetics 24: 368-384. May 1939.
- HAMILTON, W. J., Jr. (With R. P. HUNTER, State Bd. of Fisheries & Game) Fall and winter food habits of Vermont bobcats. Jour. Wildlife Managt. 3: 99-103. April 1939.
- HAND, D. B. The determination of riboflavin in milk by photoelectric fluorescence measurements. Amer. Chem. Soc. Abs. of papers (1939): 9-10 B. 1939.
- HAND, D. B. The molecular weight and association of the enzyme urease. Amer. Chem. Soc. Abs. of Papers (1939): 19-20 B. 1939.
- HUTT, F. B. Principles of poultry breeding. U. S. Egg and Poultry Mag. 45: 364-365. June 1939.
- LOTT, W. L., and WILSON, J. K. Obtaining rhizobia-free cuttings for pure-line studies. Soil Sci. Soc. Amer. Proc. v. 3(1938): 176-178. [1939] (W. L. Lott, Cornell Univ.)
- RANDOLPH, L. F., and FISCHER, H. E. The occurrence of Parthenogenetic diploids in tetraploid maize. Natl. Acad. Sci. 25: 161-164. April 1939. (In Coop. with U. S. Dept. Agr.)
- SPAETH, J. N., and AFANASIEV, M. The effect of sterilization with calcium hypochlorite on germination of certain seeds. Jour. Forestry 37: 371-372. May 1939.

## New York (State)

- BREED, R. S., and SANBORN, J. R. The sanitary status of the paper milk bottle. Milk Plant Mo. 28: 24-27. May 1939.
- CROSIER, W., and PATRICK, S. Chemical elimination of saprophytes during laboratory germination of seed peas. Jour. Agr. Research [U. S.] 58: 397-422. March 15, 1939.
- GAMBRELL, F. L., and HARTZELL, F. Z. Dormant spray mixtures on conifers. Jour. Econ. Ent. 32: 206-209. April 1939.
- GLASGOW, H. The element of timing in relation to pea aphid control. Jour. Econ. Ent. 32: 234-240. April 1939.
- HAMMER, O. H. The tarnished plant bug as an apple pest. Jour. Econ. Ent. 32: 259-264. April 1939.
- HARTZELL, F. Z. Dormant spray problems in New York. Jour. Econ. Ent. 32: 274-277. April 1939.
- HOFER, A. W., and HAMILTON, H. C. Further studies on seed "sterilization". Soil Sci. Soc. Amer. Proc. v. 3(1938): 167-168. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (State) (Continued)

- HORSFALL, J. G., and HARRISON, A. L. Effect of bordeaux mixture and its various elements on transpiration. Jour. Agr. Research [U. S.] 58: 423-443. March 15, 1939.
- KELLY, C. D., and MARQUARDT, J. C. The influence of hydrogen ion concentration and salt on the surface flora of limburg cheese. Jour. Dairy Sci. 22: 309-320. May 1939.
- KELLY, C. D. Investigations on the ripening of cheddar cheese in the United States of America and Canada. (Abstract) Internatl. Dairy Cong., 11th, Berlin, 1937. Report of the Delegation of the United States: 68. 1939.
- KELLY, C. D. Studies on the control of gas in limburg cheese. Jour. Dairy Sci. 22: 299-307. May 1939.
- KERTESZ, Z. I. Effect of added calcium on canned tomatoes. Amer. Chem. Soc. Abs. of Papers (1939): 11 A. 1939.
- KERTESZ, Z. I. Pectic enzymes. Iv. Structural considerations in connection with the enzymic hydrolysis of pectins. Amer. Chem. Soc. Abs. of Papers (1939): 19B. 1939.
- MARQUARDT, J. C. Pasteurized milk for cheesemaking. (Abstract) Internatl. Dairy Cong., 11th, Berlin, 1937. Report of the Delegation of the United States: 68. 1939.
- MARQUARDT, J. C. The relationship of composition to quality in goat's milk. (Abstract) Internatl. Dairy Cong., 11th, Berlin, 1937. Report of the Delegation of the United States: 56. 1939.
- NORTON, L. B. The distribution of nicotine between water and petroleum oils. Amer. Chem. Soc. Abs. of Papers (1939): 10-11 A. 1939.
- PEDERSON, C. S. Accuracy of methods used in analysis of sauerkraut. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 274. May 1939.
- PEDERSON, C. S. Processing of sauerkraut. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 283. May 1939.
- SANBORN, J. R., and BREED, R. S. The sanitation of paper milk containers. Milk Plant Mo. 28: 29. May 1939.
- SANBORN, J. R., and BREED, R. S. Single service containers for milk and milk products. Milk Plant Mo. 28: 28. May 1939.
- WHEELER, K., TRESSLER, D. K. (With C. G. KING, Univ. Pittsburgh) The ascorbic acid (vitamin C) content of broccoli, cauliflower, endive, cantaloup, parsnips, lettuce, and kale. Amer. Chem. Soc. Abs. of Papers (1939): 12-13 B. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## North Carolina

- LUTZ, J. F.    The effect of iron on some physico-chemical properties of bentonite suspensions.    Soil Sci. Soc. Amer. Proc. v. 3(1938) 7-12. [1939]
- MEHLICH, A.    Use of triethanolamine acetate-barium hydroxide buffer for the determination of some base exchange properties and lime requirement of soil.    Soil Sci. Soc. Amer. Proc. v. 3(1938): 162-166. [1939]

## North Dakota

- CHRISTENSEN, F. W., HOPPER, T. H., HELGESON, E. A., and THOMPSON, E. J.    Leafy spurge as a feed for sheep.    Amer. Soc. Anim. Prod. Proc. 31(1938): 311-316.    1938.
- STOA, T. E., and HARRIS, R. H.    Which rust resistant wheats are most desirable?    Northwest. Miller 198: 2.    May 24, 1939.

## Ohio

- BAVER, L. D.    Ewald Wollny - a pioneer in soil and water conservation research.    Soil Sci. Soc. Amer. Proc. v. 3(1938): 330-333.    [1939]
- BAVER, L. D. [and others]    Report of Committee on laboratory studies supplementary to soil classification.    Soil Sci. Soc. Amer. Proc. v. 3 (1938): 351-354.    [1939]
- BAVER, L. D.    Soil permeability in relation to non-capillary porosity.    Soil Sci. Soc. Amer. Proc. v. 3(1938): 52-56.    [1939]
- BETHKE, R. M., RECORD, P. R., and WILDER, O. H. M.    The stability of carotene and vitamin A in a mixed ration.    Poultry Sci. 18: 179-187.    May 1939.
- BURGWALD, L. H. (With T. V. ARMSTRONG, Ohio State Univ.)    Methods of determining the curd tension of milk.    Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 125-136.    [1939?] Mimeographed.
- BURGWALD, L. H.    The phosphatase test for determining the efficiency of pasteurization of milk.    Ill.-Univ.-Dept. Dairy Husb., Dairy Manfrs. Conf. Manual (1938): 79-95.    [1939?] Mimeographed.
- CHADWICK, L. C.    Compiling a new nursery list of deciduous, woody ornamental plants.    Amer. Nurseryman 69: 3-5, 24-27.    May 15, 1939.
- DONHAM, C. R. [and others]    Report of Special committee on Bang's disease.    Jour. Amer. Vet. Med. Assoc. 94(4) pt. 1: 325-328.    1939.
- GERLAUGH, P., and GAY, C. W.    Reducing the corn and increasing the hay content of rations for fattening yearling steers.    Amer. Soc. Anim. Prod. Proc. 31(1938): 107-109.    1938.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Ohio (Continued)

- GOURLEY, J. H. Some soil studies and the mulch system of orcharding. Ill. State Hort. Soc. Trans. v. 72(1938): 234-241. [1939]  
HAVIS, L. Anatomy of the hypocotyl and roots of *Daucus carota*. Jour. Agr. Research [U. S.] 58: 557-564. April 15, 1939.

## Oklahoma

- ALEXANDER, O., and HARPER, H. J. The quantitative determination of magnesium in soils using 8-hydroxyquinoline. Soil Sci. Soc. Amer. Proc. v. 3(1938): 153-157. [1939]  
CASKEY, C. D., GALLUP, W. D., and NORRIS, L. C. The need for manganese in the bone development of the chick. Jour. Nutrition 17: 407-417. May 10, 1939.  
DAHMS, R. G., and FENTON, F. A. Methods of destroying red harvester ant nests. Pests 7: 12-14. April 1939.  
DANIEL, H. A., ELWELL, H. M., and HARPER, H. J. Nitrate nitrogen content of rain and runoff water from plots under different cropping systems on soil classified as Vernon fine sandy loam. Soil Sci. Soc. Amer. Proc. v. 3(1938): 230-233. [1939] (In Coop. with U. S. Dept. Agr.)  
KUHLMAN, A. H., KEITH, J. I., and GALLUP, W. D. The use of cottonseed meal in rations for dairy cattle. (Abstract) Internatl. Dairy Cong., 11th, Berlin, 1937. Report of the Delegation of the United States: 28. 1939.  
NELSON, P. Landlord-tenant relations in the Southwest with special reference to Oklahoma. Southwest. Social Sci. Quart. 19: 362-369. March 1939.  
TAYLOR, B. R., HAWKINS, L. E., and WILLHAM, O. S. Creep-feeding March and April calves that are to be finished in dry lot after weaning. Amer. Soc. Anim. Prod. Proc. 31(1938): 110-112. 1938.  
THOMPSON, C. P., and HILLIER, J. C. Blackstrap molasses as a partial substitute for corn and oats in fattening rations for swine. Amer. Soc. Anim. Prod. Proc. 31(1938): 146-149. 1938.  
WILLHAM, O. S. Inbred sows vs. inbred boars in outcrosses. Amer. Soc. Anim. Prod. Proc. 31(1938): 304-307. 1938.

## Oregon

- DOUGHERTY, R. W. Induced cases of traumatic gastritis and pericarditis in dairy cattle. Jour. Amer. Vet. Med. Assoc. 94(4) pt. 2: 357-362. April 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Oregon (Continued)

- HOWARTH, C. R., and SEGNETTI, L. Anthrax in farm-raised mink in Oregon. Jour. Amer. Vet. Med. Assoc. 94(4) pt. 2: 433-434. April 1939.
- LEWIS, H. R., and POWERS, W. L. A study of factors affecting infiltration. Soil Sci. Soc. Amer. Proc. v. 3(1938): 334-339. [1939] (In Coop. with U. S. Dept. Agr.)
- POWERS, W. L. Will iodine come to be considered an essential plant nutrient? Science 89: 434-435. May 12, 1939.
- SPIELMAN, A., and JONES, I. R. The reproductive efficiency of dairy cattle. Jour. Dairy Sci. 22: 329-334. May 1939.

## Pennsylvania

- DUNKLE, E. C., MERKLE, F. C., and ANTHONY, R. D. Potash availability studies in Pennsylvania orchard soils. Jour. Amer. Soc. Agron. 31: 438-458. May 1939.
- FLORA, C. C., WARD, R. E., BECHDEL, S. I., GUERRANT, N. B., and DUTCHER, R. A. Carotene in the nutrition of dairy calves. Jour. Dairy Sci. 22: 321-328. May 1939.
- GUERRANT, N. B., DUTCHER, R. A., and CHORNOCK, F. The influence of exercise on the growing rat in the presence and absence of vitamin A. Jour. Nutrition 17: 473-484. May 10, 1939.
- HALLOCK, H. C. Notes on Pennsylvania flea beetles in tobacco fields, (Coleoptera: Chrysomelidae). Ent. News 50: 121-124. May 1939. (To be continued)
- HARRIS, R. G., HALEY, D. E., and REID, J. J. The effect of fertilizer treatment upon the type of flora found upon decomposing plant tissues. Soil Sci. Soc. Amer. Proc. v. 3(1938): 183-186. [1939]
- HENNING, W. L. Prenatal and postnatal sex ratio in sheep. Jour. Agr. Research [U. S.] 58: 565-580. April 15, 1939.
- HOFFMAN, E. C., and MACK, P. B. A study of the reactions of silk fibroin with acid and basic dyes. Jour. Phys. Chem. 43: 647-662. May 1939. (E. C. Hoffman, Pa. State Col.)
- JEFFRIES, C. D., and WHITE, J. W. Variations in the composition of feldspar from a Hagerstown soil profile. Soil Sci. Soc. Amer. Proc. v. 3(1938): 26-31. [1939]
- KEITH, T. B., and WAGNER, C. C. The accuracy of statistical methods for evaluating rations from gain in live weight. Amer. Soc. Anim. Proc. 31(1938): 317-320. 1938.
- KING, J. W., GAREY, J. C., and FARRELL, M. A. Metabolic studies of a non-hemolytic streptococcus. Jour. Bact. 37: 567-580. May 1939.
- MACK, P. B., O'BRIEN, A. T., SMITH, J. M., and BAUMAN, A. W. A method for estimating the degree of mineralization of bones from tracings of roentgenograms. Science 89: 467. May 19, 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Pennsylvania (Continued)

- MACK, W. B. Experiments on tomato plants and planting methods, Pennsylvania State College, 1938. Canning Age 20: 243-244. May 1939.
- McKINSTRY, D. W., HALEY, D. E., and REID, J. J. The relation of plant maturity to the type of organisms predominant in plant decomposition. Soil Sci. Soc. Amer. Proc. v. 3(1938): 180-182. 1939.
- MADISON, L. C., MILLER, R. C., and KEITH, T. B. Nicotinic acid in swine nutrition. Science 89: 490-491. May 26, 1939. (L. C. Madison, Pa. State Col.)
- RICHER, A. C., and WHITE, J. W. A study of a correlation of chemically available phosphorus with crop yields. Jour. Amer. Soc. Agron. 31: 431-437. May 1939.
- THOMAS, W., and MACK, W. B. A foliar diagnosis study of the influence of calcium from two sources, lime and superphosphate. Jour. Agr. Research [U. S.] 58: 685-693. May 1, 1939.
- THOMAS, W., and MACK, W. B. The foliar diagnosis of Zea mays subjected to differential fertilizer treatment. Jour. Agr. Research [U. S.] 58: 477-491. April 1, 1939.
- WORTHLEY, H. H., and STEINER, H. M. Control of apple aphids and European red mite by coal tar oil and other materials. Jour. Econ. Ent. 32: 278-286. April 1939.

## South Carolina

- SCOTT, L. E. Notes on some of the newer peach varieties. Tenn. State Hort. Soc. Proc. 34(1938): 71-79. [1939]

## South Dakota

- WRIGHT, T. Comparative value of barley of different test weights for feeding hogs. Amer. Soc. Anim. Prod. Proc. 31(1938): 138-140. 1938.

## Tennessee

- FOWLER, J. L., and HERTEL, K. L. Resistance of textile fibers to the flow of gas. (Abstract) Jour. Tenn. Acad. Sci. 14: 223. April 1939. (J. L. Fowler, Univ. Tenn.)
- MARCOVITCH, S., and STANLEY, W. W. The plum curculio in Tennessee. Tenn. State Hort. Soc. Proc. 34(1938): 86-88. [1939]
- SULLIVAN, R. R., and HERTEL, K. L. Density and fineness measurements on textile fibers. (Abstract) Jour. Tenn. Acad. Sci. 14: 223. April 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Texas

- FLOYD, W. H., and FRAPS, G. S. Changes in vitamin C content during the boiling of turnip greens in various waters in covered and uncovered containers. Amer. Chem. Soc. Abs. of Papers (1939): 13 B. 1939. (W. W. Floyd, Sam Houston State Teachers Col.)
- FRAPS, G. S., KEMMERER, A. R., and GREENBERG, S. M. Factors affecting the adsorptive power of magnesia for carotene. Amer. Chem. Soc. Abs. of Papers (1939): 4 B. 1939.
- FRAPS, G. S., and CARLYLE, E. C. Utilization of energy of wheat products by chickens. Amer. Chem. Soc. Abs. of Papers (1939): 10 A. 1939.
- FUDGE, J. F., and FRAPS, G. S. The relation of nitrogen, phosphoric acid, and lime in the soils of East Texas to those constituents in Bermuda and little bluestem grasses. Soil Sci. Soc. Amer. Proc. v. 3 (1938): 189-194. 1939.
- GODFREY, G. H. The control of nut grass with chloropicrin. Soil Sci. 47: 391-395. May 1939.
- JONES, J. H., RIGGS, J. K., FRAPS, G. S., JONES, J. M., SCHMIDT, H., DICKSON, R. E., HOWE, P. E., and BLACK, W. H. Carotene requirements for fattening beef cattle. Amer. Soc. Anim. Prod. Proc. 31(1938): 94-102. 1938. (In Coop. with U. S. Dept. Agr.)
- KILLOUGH, D. T. Lintless cotton. Amer. Fert. 90: 24, 26. April 29, 1939.
- ROGERS, C. H. The relation of moisture and temperature to growth of the cotton root rot fungus. Jour. Agr. Research [U. S.] 58: 701-709. May 1, 1939.

## Vermont

- CAMBURN, O. M., and ELLENBERGER, H. B. Dry vs. succulent roughage in the dairy ration. (Abstract) Internatl. Dairy Cong., 11th, Berlin 1937. Report of the Delegation of the United States: 26-27. 1939.
- KEYES, E. A., ELLENBERGER, H. B., and JONES, C. H. Feeding different grades of hay and vitamins A and D in concentrated codliver oil to dairy calves. (Abstract) Internatl. Dairy Cong., 11th, Berlin 1937. Report of the Delegation of the United States: 27. 1939.
- NEWLANDER, J. A., ELLENBERGER, H. B., and JONES, C. H. The digestibility and nutrient-content of timothy and alfalfa when ensiled. (Abstract) Internatl. Dairy Cong., 11th, Berlin, 1937. Report of the Delegation of the United States: 31. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Virginia

- ANDERSON, L. D., and WALKER, H. G. Control of whiteflies on gardenias. Jour. Econ. Ent. 32: 210-213. April 1939. Va. (Truck)
- HOUGH, W. S. Dinitro-o-cresol, dinitro-o-cyclo-hexylphenol and lauryl rhodanate in dormant sprays against eggs of apple aphids. Jour. Econ. Ent. 32: 264-270. April 1939.
- HOUGH, W. S. Present status of scale and aphids and control. East. Fruit Grower 1: 4, 17, 19. Feb. 1939.
- Same title appeared in Va. State Hort. Soc. Proc. 43(1938): 162-165. 1939.
- LEWIS, W. W. Significance of the soil survey in land-use adjustments on unit demonstration farms. Soil Sci. Soc. Amer. Proc. v. 3(1938): 312-316. 1939.
- MASON, D. D., and OBENSHAIN, S. S. A comparison of methods for the determination of soil reaction. Soil Sci. Soc. Amer. Proc. v. 3(1938): 129-137. [1939]
- PURVIS, E. R., and HANNA, W. J. Boron studies. I. The susceptibility of various plants to boron toxicity as influenced by soil type. Soil Sci. Soc. Amer. Proc. v. 3(1938): 205-209. [1939] Va. (Truck)
- PURVIS, E. R., and HIGSON, G. E., Jr. Determining organic carbon in soils. Indus. and Engin. Chem. (Anal. Ed.) 11: 19-20. Jan. 15, 1939. Va. (Truck)
- WALKER, H. G., and ANDERSON, L. D. Further notes on the control of the harlequin bug. Jour. Econ. Ent. 32: 225-228. April 1939. Va. (Truck)

## Washington

- HUBER, G. A., and BAUR, K. The use of calcium cyanamid for the destruction of apothecia of *Sclerotinia fructicola*. Phytopathology 29: 436-441. May 1939.
- McCALL, R. Seasonal variation in the composition of bluebunch fescue. Jour. Agr. Research [U. S.] 58: 603-616. April 15, 1939.

## West Virginia

- BROWN, W. C., VanLANDINGHAM, A. H., and WEAKLEY, C. E., Jr. Oxidized flavor in milk. VII. Studies of the effect of carotene and ascorbic acid in the feed of the cow on the susceptibility of the milk to metal-induced oxidized flavor. Jour. Dairy Sci. 22: 345-351. May 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## West Virginia (Continued)

- LIVESAY, E. A. Will regional projects meet the purpose of investigation, the demands of industry, and correlate the sheep and wool investigation-al work satisfactorily and effectively within a state? Amer. Soc. Anim. Prod. Proc. 31(1938): 149-152. 1938.
- MARTEN, E. A., and POHLMAN, G. G. Biological and chemical changes in the decomposition of tree litter. (Abstract) Soil Sci. Soc. Amer. Proc. v. 3(1938): 187. [1938]
- SHIRLEY, R. L., and Van LANDINGHAM, A. H. The determination of uric acid in the mixed excrement of birds. A modification of the Fritz differential extraction method. Amer. Chem. Soc. Abs. of Papers (1939): 15 B. 1939.
- WEAKLEY, C. E., Jr., and DUSTMAN, R. B. Bilateral variation in the weight and composition of the long bones of some experimental animals. Jour. Agr. Research [U. S.] 58: 711-716. May 1, 1939.

## Wisconsin

- BEACH, B. A. Resistance to Bang's disease of cattle that have passed through an artificially induced outbreak and recovered. Jour. Amer. Vet. Med. Assoc. 94(4), pt. 2: 374-375. April 1939.
- CASIDA, L. E. The endocrine system: hormones elaborated - their nature, interrelations, and general mode of action. Amer. Soc. Anim. Prod. Proc. 31(1938): 13-17. 1938.
- CHAPMAN, A. B., CASIDA, L. E., and COTE, A. Sex ratios of fetal calves. (Abstract) Amer. Soc. Anim. Prod. Proc. 31(1938): 303-304. 1938.
- COOPER, D. C. Artificial induction of polyploidy in alfalfa. Amer. Jour. Bot. 26: 65-67. Feb. 1939.
- ELVEHJEM, C. A. Meat and meat products as sources of essential dietary factors. Amer. Soc. Anim. Prod. Proc. 31(1938): 343-350. 1938.
- ENGEL, R. W., and PHILLIPS, P. H. Effect of riboflavin-low diets upon nerves, growth, and reproduction in the rat. Soc. Expt. Biol. and Med. Proc. 40: 597-598. April 1939.
- FARGO, J. M., BOHSTEDT, G., PHILLIPS, P. H., and HART, E. B. The effect of fluorine in rock phosphate on growth and reproduction in swine. Amer. Soc. Anim. Prod. Proc. 31(1938): 122-125. 1938.
- HART, E. B., BOHSTEDT, G., DEOBALD, H. J., and WEGNER, M. I. The utilization of the nitrogen of urea and ammonium bicarbonate by growing calves. Amer. Soc. Anim. Prod. Proc. 31(1938): 333-336. 1938. (H. J. Deobald and M. I. Wegner, Univ. Wis.)
- HASTINGS, E. G., and BEACH, B. A. A further study of the production of milk of abnormal composition by cows free from udder streptococci. Jour. Agr. Research [U. S.] 58: 543-556. April 1, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Wisconsin (Continued)

- HIBBARD, B. H. National and local taxation in rural areas. Internatl. Conf. Agr. Economists Proc. 5(1938): 378-386. 1939.
- KOHLER, G. O., ELVEHJEM, C. A., and HART, E. G. The relation of pyrrole-containing pigments to hemoglobin synthesis. Jour. Biol. Chem. 128: 501-509. May 1939.
- PEARSON, R. W., and TRUOG, E. Further results on the mineralogical subdivision of soil separates by means of heavy liquid specific gravity separations. Soil Sci. Soc. Amer. Proc. v. 3(1938): 20-25. [1939]
- PHILLIPS, B. H., RUPEL, I. W., OLESON, J. J., and BOHSTEDT, G. The effects of an atypical blindness-producing ration upon the vitamin K and C content of calf blood. Amer. Soc. Anim. Prod. Proc. 31(1938): 320-327. 1938.
- SCHAARS, M. A. Development and extent of the frosted foods industry. Ice Cream Rev. 22: 52, 54, 56, 92, 94-95. May 1939.
- SJOLANDER, N. O., LANGLYKKE, A. F., and PETERSON, W. H. Butyl alcohol fermentation of wood sugar. Indus. and Engin. Chem. 30: 1251-1255. Nov. 1938.
- STIRN, F. E., ARNOLD, A., and ELVEHJEM, C. A. The relation of dietary fat to the thiamin requirements of growing rats. Jour. Nutrition 17: 485-495. May 10, 1939.
- WERNER, C. M., CASPER, L. E., and RUPEL, I. W. Estrus, ovulation, and artificial insemination in cattle. Amer. Soc. Anim. Prod. Proc. 31 (1938): 54-57. 1938. (G. M. Werner, Univ. Wis.)
- WILSON, H. F. (With C. E. DIETER) Time of pea aphid treatment in relation to aphid populations and plant development in Wisconsin. Canner 88: 18-19. May 13, 1939.

## Wyoming

- HONESS, R. F. The effect of x-ray on the coccidia of the rabbit. Science 89: 486. May 26, 1939.
- SIMON, F. Cheilospirura centroceri, a new nematode from the sage grouse *Centrocercus urophasianus*. Amer. Micros. Trans. 58: 78-80. Jan. 1939.
- STARR, G. H. The resistance of potato dry-rot *Fusaria* to cold temperature. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 32. April 1939.
- STARR, G. H. Treating cottonwoods for chlorosis. (Abstract) Jour. Colo.-Wyo. Acad. Sci. 2: 34. April 1939.

TRANSLATIONS RECEIVED IN THE LIBRARYFrom Iowa State College

- BAUER, K. H. Chemische technologie der fette und öle. III. Die einzelnen bestandteile der fette und öle (Chemical technology of fats and oils. III. The individual constituents of fats and oils). [p.44-79] Translated by F. W. Hoyt and Louis DeVries.
- BERGE, S. Om de forskjellige måter til å påvise heterozygoti for resessive egenskaper nar dominansen er fullstendig (Various methods of proving heterozygosity for recessive characters when dominance is complete). Nord. Jordbruksforsk. 16: 97-114. 1934. Translated by K. Rasmussen and Louis DeVries.
- ENGELER, W. Die entwicklung des herdebuchwesens unter dem einfluss der lehren von der vererbung und züchtung bei den landwirtschaftlichen haustieren (The development of herd-book for domestic animals under the influence of the science of heredity and breeding). Neue Forsch. in **Tierzucht u. abstam.** Festschrift zum 60. Geburtstag von J. Ulrich Duerst, 1936, p. 39-70. Translated by K. Rasmussen.

From University of Minnesota, Department of Agriculture

- BECKER, H. Zur immunitätszüchtung des weizens gegen Puccinia glumarum und Puccinia triticea (On breeding resistance in wheat against Puccinia glumarum and Puccinia Triticea). Kühn Arch. 38: 293-305. 1933. (Film)
- HAAN, H. de. Gibt es polymere faktoren? (Are there polymeric factors?) Genetics 15: 529-543. 1934. (Film)
- KATTERMAN, G. Genetische beobachtungen und zytologische untersuchungen an der nachkommenschaft einer gattungskreuzung. Teil 1. Genetische beobachtungen (Genetic observations of and cytological studies in the progeny of a genus crossing. Teil 1. Genetic observations) Ztsch. f. induktive abstam. u. vererbungslehre 60(3/2): 152-206. 1932.
- KIHARA, H. Genomanalyse bei triticum und Aegilops. III. Zur entstehungsweise eines neuen konstanten oktoploiden Aegilotriticum (Genome analysis of triticum and aegilops. III. On the means of producing a new constant octoploid aegilotriticum). Cytologia 2(3): 234-255. June 1931. (Film)
- Genomanalyse bei triticum und aegilops. IV. Untersuchungen an Aegilops x Triticum- und Aegilops x Aegilops-bastarden (Studies in Aegilops x Triticum and Aegilops x Aegilops Hybrids). Cytologia 3(4): 284-456. Dec. 19, 1932. (Film)
- Kuckuck, H. Ueber die entstehung von wintergersten au kreuzung von sommergersten und über die beziehungen der winterfestigkeit zum wintersommertyp (Concerning the origin of winter barley as a crossing of summer barley, and concerning the relation of winter resistance to the winter-summer type). Ztsch. f. Züchtung (Reihe A) 18: 259-290. Apr. 1933. (Film)
- OEHLER, E. Untersuchungen an Aegilops-Haynaldia- und Triticum-Haynaldia-bastarden (Research with Aegilops-Haynaldia and Triticum-Haynaldia hybrids). Ztsch. f. induktive abstam. u. vererbungslehre 68(2): 188-208. 1935. (Film)



TRANSLATIONS RECEIVED IN THE LIBRARYFrom University of Minnesota, Department of Agriculture (continued)

- PELSHENKE, P. Beiträge zur bestimmung der bachfähigkeit von weizen und weizenmehlen (Contribution to determine the baking qualities of wheats and wheat flours). Wiss. Arch. landw. (Abt. A) 5: 108-151. Dec. 1930. (Film)
- WAKAR, B. A. Cytologische untersuchungen über F<sub>1</sub> der rassen- und artbastarde des weizens (Cytological studies in F<sub>1</sub> in varietal and species crosses of wheat). Angew. Bot. 15(2): 203-224. Mar./Apr. 1933. (Film)
- STRAIB, W. Untersuchungen zur genetik der gelbrostresistenz des weizens (Studies in the genetics of the resistance of wheat to yellow rust). Phytopath. Ztschr. 7: 427-477. 1934. (Film)

From North Carolina State College:

- BADENHUIZEN, N.P., Jr. Untersuchungen über die sogenannte blöckchenstruktur der stärkekorner (Investigations of the socalled "cube-structure" of starch grains). Protoplasma 19(2): 246-260. Translated by J. B. Whitney, Jr., Ohio State University.
- BEZSSONOFF, N. and WOLOSZYN, Mme M. Le potentiel de platin des solutions de la vitamine C en contact avec oxygene moleculaire (The platinum potential of vitamin C solution in contact with molecular oxygen). (At the request of Dr. Bezssonoff, this article was translated into English for publication in a future issue of the periodical Nature) Translated by S. T. Ballenger.
- LIGNAU, G. von. El acondicionamiento del aire (Air conditioning). Inform. y Mem. Soc. d. Ingen. Peru 39(5): 163-179. May 1938. Translated by R. C. Browning.
- MUNIZ, C. M. La prevención del cólera porcina por de la vacuna (The prevention of hog cholera by means of vaccine). Herald d. Extension 1(3): 2. Mar. 1939. Translated by I. O. Garodnick.

From Ohio Agricultural Experiment Station

- RUSSELL, E. J. Die reaktion der ernten auf die handelsdünger in England (The effect of commercial fertilizers on yields in England). Ztsch. f. Pflanzenernähr., Düngung u. Bodenk. 9/10: 166-179. Translated by E. E. Barnes.
- SCHUURMAN, C. J. and Schuurman, A. M. Bakteriophages in Tji-Liwung (Bacteriophages in Tji-Liwung). Zentbl. f. Bakt., Parasitenk. u. Infektionskrank. (1 Abt.) 132: 321-329. 1934. Translated by E. E. Barnes.
- SIEGEL, O. Experimentelle grundlagen zur zweckmässigsten stallmistbereitung unter bauerlichen verhältnissen (Experiments to establish the most suitable treatment for manure under farm conditions). Ztschr. f. Pflanzenernähr., Düngung u. Bodenk. 43: 186-220. 1936. Translated by C. J. Schollengerger.
- SCHMALFUSS, K. Der abbau des zyanamids (The decomposition of cyanimid). Bodenk. u. Pflanzenähr. 9/10: 273-305. 1938. Translated by E. E. Barnes.
- STEWART, A. B. Phosphat-wirkung und der einfluss von kalk (Phosphate action and the influence of lime). Bodenk. u. Pflanzenähr. 9/10: 535-540. 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1939\*

## Florida

THURSBY, ISABELLE S. Canning at home for Florida 4-H club girls, guide and record for beginners. (Fla. Univ. and Fla. State Col. for Women, Agr. Ext. Circ. 45.) Tallahassee, 1939.

## Hawaii

A low type wire-floored open air commercial poultry house, capacity 100-125 birds. (Hawaii Univ. Agr. Ext. Circ. 5.) Honolulu, 1939.  
Mineographed.

## Kansas

UMBERGER, H. J. C. Extension progress, better homes & communities....  
Biennial report, December 1, 1935 to November 30, 1937. (Kans. State Col. Ext. Bul. 84.) Manhattan, 1938.

## Maine

REED, F. D., and HUBER, M. G. A two-story laying house for Maine.  
(Maine Agr. Col. Ext. Bul. 257.) Orono, 1939.  
BONDE, REINER, and WYMAN, O. L. Bacterial wilt and soft rot of the potato. (Maine Agr. Col. Ext. Bul. 258.) Orono, 1939.  
SIMPSON, G. W., and others. Seed potatoes for growers of table stock.  
(Maine Agr. Col. Ext. Bul. 259.) Orono, 1939.  
Bear in mind that refrigerated lockers save home-raised food, save money, insure better living. (Maine Agr. Col. Ext. Circ. 132.) Orono, 1939.

## Michigan

MOORE, H. C. Better potatoes for Michigan. (Mich. State Col. Ext. Bul. 49[rev.]) East Lansing, 1939.  
HUTSON, RAY. Controlling plant lice on field and garden crops. (Mich. State Col. Ext. Bul. 198.) East Lansing, 1939.  
KILLHAM, B. J. Sleeping sickness (equine encephalomyelitis). (Mich. State Col. Ext. Bul. 201.) East Lansing, 1939.  
PEARSON, NEVELS, and others. 4-H sheep club manual. (Mich. State Col. Ext. Club Bul. 38.) East Lansing, 1939.  
References, p. 60.

## Minnesota

COOKE, CORA. Let's look into this chicken business. (Minn. Univ. Agr. Ext. Bul. 186, rev.) University Farm, St. Paul, 1939.  
CRIM, R. F., and ARNY, A. C. Pasture plants and combinations. (Minn. Univ. Agr. Ext. Bul. 197.) University Farm, St. Paul, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1939

## Minnesota (continued)

- Improved varieties of farm crops: Varieties recommended for Minnesota by the Minnesota Experiment Station. (Minn. Univ. Agr. Ext. Folder 22, rev.) University Farm, St. Paul, 1939.
- RUGGLES, A. G., and EIDE, C. J. Pest control program for fruits in Minnesota, (Minn. Univ. Agr. Ext. Folder 69, rev.) University Farm, St. Paul, 1939. Supersedes Circ. 50.

## Mississippi

- HURST, F. J. Mississippi farmers can use the 1939 AAA program to adjust farm production, raise family living, earn AAA payments, build soil fertility. (Miss. State Col. Ext. Leaflet 14.) State College, 1939.

## Nebraska

- CUSHING, R. L., and others. Report of the 1938 cooperative sorghum variety trials. (Nebr. Agr. Col. Ext. Circ. 125.) Lincoln, 1938. Mimeographed.
- GROSS, D. L. Soybeans in Nebraska. (Nebr. Agr. Col. Ext. Circ. 142, rev.) Lincoln, 1939. Mimeographed.
- Cashing roughage. (Nebr. Agr. Col. Ext. Circ. 205, rev.) Lincoln, 1939. Mimeographed.
- Cutting feed costs with balanced rations. (Nebr. Agr. Col. Ext. Circ. 207.) Lincoln, 1939. Mimeographed.
- ALFORD, S. W. Equine encephalomyelitis or so-called sleeping sickness. (Nebr. Agr. Col. Ext. Circ. 216.) Lincoln, 1939. Mimeographed.
- WHITE, W. E. Suggestions for preparing to use electricity on your farm. (Nebr. Agr. Col. Circ. 765.) Lincoln, 1939. Mimeographed.
- MASON, JESSE. Standards for analyzing operating problems of gas associations. (Nebr. Agr. Col. Ext. Circ. 1310.) Lincoln, [1938]. Mimeographed.

## New York

- CROSBY, C. R., and others. The control of diseases and insects affecting vegetable crops. (N.Y. Agr. Col. (Cornell) Ext. Bul. 206, rev.) Ithaca, 1939.
- SKINNER, H. T. The rock garden. (N. Y. State Col. of Agr. (Cornell) Ext. Bul. 403.) Ithaca, 1939.

## North Carolina

- MORRIS, CORNELIA C. Canning fruits and vegetables. (N. C. Agr. Col. Ext. Circ. 223, reprint.) State College Station, Raleigh, 1938.
- EVANS, J. A. Recollections of extension history. (N. C. Agr. Col. Ext. Circ. 224.) State College Station, Raleigh, 1938.
- HARRILL, L. R. 4-H objectives and how you and your club can help to reach them. (N. C. Agr. Col. Spec. Ext. Circ. [unnumb.]) State College Station, Raleigh, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1939

## North Carolina (continued)

- HUDSON, C. R. Successful corn growing or "more corn at less cost."  
(N. C. Agr. Col. Ext. Folder 44.) State College Station, Raleigh, 1939.
- HARRIS, J. H. Home beautification manual and record book for 4-H club members.  
(N. C. Agr. Col. Ext. 4-H Club Ser. 14.) State College Station, Raleigh, 1939.

## North Dakota

- BREKKE, JULIA E. Sewing management. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.
- BREKKE, JULIA E. Tailored buttonholes and pockets. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.
- YEAGER, A. F. 1939 vegetable garden. Revised by Harry Graves. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.] rev.) State College Station, Fargo, 1939.

## Ohio

- Facts about the Ohio poultry and egg industry. (Ohio Agr. Col. Ext. Facts Ser. 28.) Columbus, 1939.
- Facts about foreign trade in farm products. (Ohio Agr. Col. Ext. Facts Ser. 29.) Columbus, 1939.

## Puerto Rico

- COLEBANK, L. O. Asociación de ganado lechero y porcino por socios 4-H.  
(Puerto Rico Univ. [Agr.] Circ. de Ext. 16.) Mayaguez, [1938?]
- ORCASITAS, MARIA T. El conejo, modos de preparar la carne para la mesa.  
(Puerto Rico Univ. [Agr.] Circ. de Ext. 17.) Mayaguez, 1938.
- ARRILLAGA, C. G. La alimentacion y cuidado del ganado caballar. (Puerto Rico Univ. [Agr.] Circ. de Ext. 18.) Mayaguez, 1938.

## South Carolina

- BRUNER, M. H. Improve pine timber by thinning for pulpwood. (Clemson Agr. Col. (S. C.) Ext. Circ. 170.) Clemson, 1939.
- BRUNER, M. H. Using farm timber crops for better income. (Clemson Agr. Col. (S. C.) Ext. Circ. 171.) Clemson, 1939.

## South Dakota

- The South Dakota farm outlook for 1939. (S. Dak. State Col. Ext. Circ. 198.) Brookings, 1938. Mimeographed.
- HANSEN, R. E. Soil conservation, an elementary discussion for use in grade schools. (S. Dak. State Col. Ext. Circ. 376.) Brookings, 1938.
- FENN, GERALDINE G. Stories told by music, South Dakota music program, 1938-39. (S. Dak. State Col. Ext. Circ. 377.) Brookings, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1939

## South Dakota (continued)

- MCDONALD, G. A. Swine production, a manual for 4-H club members. (S. Dak. State Col. Ext. Circ. 378.) Brookings, 1938.

## Tennessee

- SIMS, A. J. A history of extension work in Tennessee. Twenty five years of service to rural life, 1914-1939. (Tenn. Agr. Col. Ext. Pub. 223.) Knoxville, 1939.
- PELTON, W. C. Group discussion: What practical improvements of our home grounds can be made? (Tenn. Agr. Col. Ext. Spec. Circ. 78.) Knoxville, 1938. Mimeographed.
- WALRATH, F. J. Group discussion: How can we change the size of our farming business so as to increase our farm income? (Tenn. Agr. Col. Ext. Spec. Circ. 79.) Knoxville, 1938. Mimeographed.
- RICHARDSON, L. A., and ROBINSON, J. S. Group discussion: The cow-calf project. (Tenn. Agr. Col. Ext. Spec. Circ. 80.) Knoxville, 1938. Mimeographed.
- WALRATH, F. J. Group discussion: What changes in choice and combination of enterprises can we make which will increase our farm income? (Tenn. Agr. Col. Ext. Spec. Circ. 81.) Knoxville, 1938. Mimeographed. References.
- HERRINGTON, G. L. Restoring and protecting wild life: Suggestions for Tennessee 4-H clubs. (Tenn. Agr. Col. Ext. Circ. 82.) Knoxville, 1938. Mimeographed.
- RICHARDSON, L. A., and ROBINSON, J. S. Group discussion: Work stock production, an additional source of income for Tennessee farmers. (Tenn. Agr. Col. Ext. Spec. Circ. 83.) Knoxville, 1938. Mimeographed.
- WALRATH, F. J. Group discussion: How can we increase our efficiency in crop and livestock production so as to increase our farm income? (Tenn. Agr. Col. Ext. Spec. Circ. 84.) Knoxville, 1938. Mimeographed.
- WALRATH, F. J. Group discussion: "Better homes on better farms"- How can we get them in our community? (County agricultural planning - long time planning.) (Tenn. Agr. Col. Ext. Spec. Circ. 85.) Knoxville, 1938. Mimeographed.
- PELTON, W. C. Panel discussion: Better fall gardens with new vegetables. (Tenn. Agr. Col. Ext. Spec. Circ. 86.) Knoxville, 1938. Mimeographed.
- KABLE, G. W. Facts about the electric fence. (Tenn. Agr. Col. Ext. Spec. Circ. 87.) Knoxville, 1938. Mimeographed.
- SHIVERY, G. B. Selection and care of shade trees. (Tenn. Agr. Col. Ext. Spec. Circ. 88.) Knoxville, 1938. Mimeographed.
- KELLER, LILLIAN L. Teaching old clothes new tricks. (Tenn. Agr. Col. Ext. Spec. Circ. 89.) Knoxville, 1938. Mimeographed.
- WALRATH, F. J. County program planning manual, outline and procedure for 1938-1939. (Tenn. Agr. Col. Ext. Spec. Circ. 90.) Knoxville, 1938. Mimeographed.
- HEERBAKOFF, C. D. Seed treatment for covered smuts of wheat effective also for oat smuts and most of the barley smuts. (Tenn. Agr. Col. Ext. Spec. Circ. 91 (reprint of Sta. Circ. 46.) Knoxville, 1938. Mimeographed.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1939

## Tennessee (continued)

- WILLIAMS, ISADORA, comp. Instructions for dyeing cotton with vegetable dyes. (Tenn. Agr. Col. Ext. Spec. Circ. 92.) Knoxville, 1938. Mimeographed.
- Copies from Misc. Pub. 230, Home dyeing with natural dyes by Margaret S. Furry and Bess M. Vicmont, Bureau Home Economics, U. S. Dept. of Agriculture.
- MARTIN, G. E., and GOWDER, M. T. Terrace project planning and vegetable cover recommendations for farm runoff disposal systems. (Tenn. Agr. Col. Ext. Spec. Circ. 93, rev.) Knoxville, 1939. Mimeographed.
- PELTON, W. C. A green lawn the year round. (Tenn. Agr. Col. Ext. Spec. Circ. 94.) Knoxville, 1939. Mimeographed.
- KELLER, LILLIAN, L. 4-H club sewing, unit II, Tennessee. (Tenn. Agr. Col. Ext. Spec. Circ. 96.) Knoxville, 1939. Mimeographed.
- KELLER, LILLIAN L. 4-H club sewing unit III, Tennessee. (Tenn. Agr. Col. Ext. Spec. Circ. 97.) Knoxville, 1939. Mimeographed.
- KELLER, LILLIAN L. Suggestions for 4-H club girls' home improvement. (Tenn. Agr. Col. Ext. Spec. Circ. 99.) Knoxville, 1939. Mimeographed.
- SHIVERY, G. B., and STIVERS, E. D. Panel discussion: Does it pay to go to the trouble and expense necessary to keep livestock out of our farm woods? (Tenn. Agr. Col. Ext. Spec. Circ. 100.) Knoxville, 1939. Mimeographed.
- CHADWELL, A. J., and JOHNS, M. M. Electricity for brooding. (Tenn. Agr. Col. Ext. Circ. 101.) Knoxville, 1939. Mimeographed.
- MILTON, R. H. Treatment for blackfire and wildfire control in tobacco beds. (Tenn. Agr. Col. Ext. Spec. Circ. 102.) Knoxville, 1939.
- Strip cropping as an aid in erosion control. Prepared by the Extension departments of Agronomy and Agricultural engineering. (Tenn. Agr. Col. Ext. Spec. Circ. 103.) Mimeographed.

## Texas

- JACKS, ONAH. The upward trail. (Texas Agr. Col. Ext. [Bul.] B-109.) College Station, 1938.
- NEELY, GRACE I., and BENTLEY, M. R. Storage structures and home storage of vegetables and fruits. (Texas Agr. Col. Ext. [Bul.] B-111.) College Station, 1939.
- EUDALY, E. R. Keeping the family cow on the job. (Texas Agr. Col. Ext. [Circ.] C-129.) College Station, 1939.
- BARNES, G. W. Beef for home use. (Texas Agr. Col. Ext. [Circ.] C-150.) College Station, 1938.
- EUDALY, E. R. Minerals for dairy cattle. (Texas Agr. Col. Ext. [Circ.] C-135.) College Station, 1939.
- MILLER, E. A. Cotton growing steps. (Texas Agr. Col. Ext. [Circ.] C-136.) College Station, 1939.
- MILLER, E. A. Corn growing steps. (Texas Agr. Col. Ext. [Circ.] C-137.) College Station, 1939.



-----  
LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING MAY 1939

## Texas (continued)

- MILLER, E. A. Peanut growing steps. (Texas Agr. Col. Ext. [Circ.] C-138. College Station, 1939.  
MADDOX, W. V. Wholesome milk on Texas farms. (Texas Agr. Col. Ext. [Circ.] C-139.) College Station, 1939.  
CAMP, JENNIE, and others. Starring beef. (Texas Agr. Col. Ext. [Circ.] C-140.) College Station, 1939.  
McCARTHEY, G. P., and BENTLEY, M. R. Homemade lamp brooder. (Texas Agr. Col. Ext. [Circ.] C-141.) College Station, 1939.  
NEELY, GRACE I., and others. Starring milk. (Texas Agr. Col. Ext. [Circ.] C-142.) College Station, 1939.  
Texas food standard. Tex. Agr. Col. Ext. 1939. College Station.

## Vermont

- TARRANT, LYDIA Cabbage recipes. (Vt. Agr. Col. Ext. Brief. 498.) Burlington, 1938. Mimeographed.  
TARRANT, LYDIA Fruits the year round. (Vt. Agr. Col. Ext. Brief. 499.) Burlington, 1938. Mimeographed.  
SOMMERFELD, EDNA Shoes to fit the feet and purse. (Vt. Agr. Col. Ext. Brief. 500.) Burlington, 1938. Mimeographed.

## Washington

- McCULLOCH, E. C. Disinfectants on the farm. (Wash. State Col. Ext. Bul. 245.) Pullman, 1938.  
POND, ESTHER Planning the efficient kitchen. (Wash. State Col. Ext. Bul. 247.) Pullman, 1939.  
Recommendations for codling moth and orchard mite control in Washington for 1939. Prepared by representatives of the Experiment Station and the Extension Service, State College of Washington, and the Washington State Department of Agriculture with the cooperation of the Bureau of Entomology and Plant Quarantine of the U. S. Department of Agriculture. (Wash. State Col. Ext. Bul. 248.) Pullman, 1939.  
Washington turkey growing rations. The Poultry Council of the State College of Washington. (Wash. State Col. Ext. Poultry Pointers 32.) Pullman, 1939.

## Wisconsin

- BEACH, B. A. Cope with calf scours. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.]) Madison, 1939. Mimeographed.  
BEACH, B. A. Sleeping sickness of horses. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.]) Madison, 1939. Mimeographed.  
BRIGGS, G. M. Control field bindweed, it's one of our worst weeds. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.]) Madison, 1939. Mimeographed.  
BRIGGS, G. M. Soybeans for grain production. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.]) Madison, 1939. Mimeographed.  
Home grounds beautification 4-H club work. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.]) Madison, 1939.

SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during May 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Agricultural Adjustment Administration

How far can education solve consumer problems? By D. E. Montgomery, Consumers' counsel. [Address] given at National conference on consumer education, Stephens College, Columbia, Mo., Apr. 3, 1939. 12 p. 1.94 Ad422Ad

The stamp plan for distributing surplus foods. May 6, 1939. 2 p. 1.42 Ad4Sta

Bureau of Agricultural Economics

Disposition of hay. Crop years, 1909-1936. By states. 1939. 32 p.  
1.9 Ec71Dih

An hypothesis concerning the role of enzymes in the relative value of cottonseed. By G. S. Meley. 1939. Address, American oil chemists society, New Orleans, La., May 5, 1939. 7 p. 1.9 Ec733Mc1

Improving our land tenure systems. By L. C. Gray. Address, School for the Southern Great Plains region, Amarillo, Tex., Apr. 6, 1939. 10 p.  
1.9 Ec7Gra

Income parity for agriculture. Pt. II. - Expenses of agricultural production. Sect. 1. The cost of hired farm labor, 1909-38. Preliminary. Apr. 1939. 45 p.  
Pt. III. - Prices paid by farmers for commodities and services. Sect. 4. Prices paid by farmers for farm machinery and motor vehicles, 1910-38. Preliminary. May 1939. 24 p. 1.9 Ec71np

Index numbers of farm costs and returns. By H. H. Cooper. Address, New England research council, Boston, Mass., Apr. 26, 1939. 1.9 Ec762In

Tariff rates on principal agricultural products. By C. F. Wells. 1939. 87 p.  
1.9 Ec752T

U. S. Standards for Persian (Tahiti) lines (effective May 1, 1939). Apr. 25, 1939. 8 p. 1.9 Ec74Li

World production and international trade in butter and cheese. By Frederick R. Tomlinson, collaborator. 1939. 148 p. 1.9 Ec752Wp

Bureau of Agricultural Engineering

Partial history of the development of grain threshing implements and machines. Compiled by Lillian Church. 1939. (Information series no. 73) 40 p.  
1.9 R53iI

\* Bibliographies included in general list of bibliographies on page 307.

\*\* For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF PROCESSED PUBLICATIONS

(Continued)

## Bureau of Animal Industry

Conference on the National poultry improvement plan in Chicago, Ill. May 24-27, 1939. 139 p. Issued by Animal husbandry division. 1.9 An525Con

The Federal meat-inspection service. By Edward C. Joss. Apr. 1939. 5 p. Issued by Meat inspection division. 1.9 An537F

Infectious equine encephalomyelitis (Sleeping sickness of horses and mules) By L. T. Giltner and M. S. Shahan. April 1939. 10 p. Issued by Pathological division. 1.9 An561e

Methods of preparing uncoagulated whole blood in vitro for demonstrating the rapid, wholeblood, agglutination test for Pullorum disease at poultry testers' schools. By H. Bunyes. Apr. 1939. 2 p. Issued by Pathological division. 1.9 An56M

The occurrence of Salmonella pullorum infection in species other than the chicken. By H. Bunyes. 1939. Presented at the 12th annual conference of laboratory workers in Pullorum disease control, College Park, Md., May 4, 5, 1939. 8 p. Issued by Pathological division. 1.9 An560c

## Bureau of Biological Survey

A preliminary investigation of the food habits of the mourning dove in Alabama. By W. Rosene, Jr. 1939. 10 p. (Wildlife Research and Management Leaflet BS-133) (Alabama Cooperative Wildlife Research Unit, Auburn, Ala.) 1.9B524W

A summary of the gray squirrel investigation in southeastern Ohio. By F. B. Chapman. 1939. 9 p. (Wildlife Research and Management Leaflet BS-134) Issued by Section of Wildlife Surveys, Division of Wildlife Research. 1.9 B524W

Personnel in Federal game-law enforcement. By W. E. Crouch and C. A. Leichhardt. 1939. 8 p. (Wildlife Research and Management Leaflet BS-135) Issued by Division of Game Management. 1.9 B524W

The Waterfowl situation: 1938-39. 1939. 18 p. (Wildlife Research and Management Leaflet BS-136) Issued by Section of Distribution and Migration of Birds, Division of Wildlife Research. 1.9 B524W

## Bureau of Chemistry and Soils

1938/39 annual naval stores report on production, distribution, consumption and stocks of turpentine and rosin of the U. S. by crop years. Compiled by C. F. Speh. May 15, 1939. 11 p. 1.9 C4929An

The commercial production of mayonnaise, salad dressing, and related products. By V. A. Pease, Food research division. 1939. 5 p. (MC-54) 1.9 C49Mc



-----  
SELECTED LIST OF PROCESSED PUBLICATIONS

Bureau of Chemistry and Soils (continued)

- Note on some factors affecting the quality of canned grapefruit juice. By J. L. Heid and W. C. Scott. 1939. 3 p. (MC-52) 1.9 C49Mc
- Preservation of fruits and vegetables by freezing in the Pacific northwest. By H. C. Diehl, E. H. Wiegand, and J. A. Berry. April 1939. 58 p. (MC-53) 1.9 C49Mc
- Tung oil. Prepared in carbohydrate research division. 1939. 9 p. (MC-55) 1.9 C49Mc

Bureau of Dairy Industry

- Outline of dairy cattle breeding projects. 8 p. (BDIM-729; revised May 3, 1939) 1.9 D1430
- Whey products in foods. By B. H. Webb. 1939. 4 p. (BDIM-847) Paper presented before American chemical society, Baltimore, Apr. 4, 1939. 1.9 D143d

Extension Service

- Announcement thirteenth National 4-H club camp. Washington, D. C. June 15-21, 1939. 9 p. 1.9 Ex892Fba
- The opportunity in agriculture for the farm boy. Issued May 1937; reissued May 1939. 13 p. (Extension service circular 264) 1.9 Ex892Esc
- A radio handbook for extension workers. By John Baker, radio extension specialist. Washington, 1939. 15 p. 1.9 Ex891Ra
- Statistical results of cooperative extension work, 1938. By M. C. Wilson and H. W. Porter. 1939. 22 p. (Extension service circular no. 309) 1.9 Ex892Esc
- Twenty-five years of extension work under the act of May 8, 1914. By C. W. Warburton. 1939. 5 p. (Extension service circular no. 310) 1.9 Ex892Esc

Farm Security Administration

- Lands owned by the State of Mississippi through tax reversion. By C. O. Henderson and John T. Caldwell. 1937. 43 p. Data compiled and maps prepared by Works progress administration for Mississippi, Division of women's and professional projects. 1.9506 M65
- Two years' experience in making loans under Title I of the Bankhead-Jones farm tenant act. (Statement by Paul V. Maris, director of Tenant purchase division, before Idaho state F.S.S. Advisory Committee, Caldwell, Idaho, Apr. 14, 1939) 9 p. 1.95 T25A

SELECTED LIST OF PROCESSED PUBLICATIONS

(Continued)

## Federal Surplus Commodities Corporation

The food stamp plan; why it is being tried out and how it will work in Dayton beginning June 1. 1939. 9 p. 1.9 Su7Fo

The food stamp plan; why it is being tried out and how it will work in Rochester. 1939. 7 p. 1.9 Su7Fo

Purchases of orange stamps required by designated family groups. Rochester, N.Y., Food stamp plan. 1939. 4 p. 1.9 Su7Pu

## Forest Service

American woods. Douglas fir (*Pseudotsuga taxifolia*). By H. S. Betts.

Mar. 1939. 10 p.; Redwood (*Sequoia sempervirens*). By H. S. Betts.

Mar. 1939. 8 p. 1.9 F76Am

Living in forest lands; a unit for Junior high school social studies.

By W. P. Beard and D. P. Edgerton. Issued 1937; reissued 1939. 40 p.

1.9 F76 Fch

Southern forest experiment station. 18th annual report. Jan. 1, 1938-Dec. 31, 1938. New Orleans, 1939. 44 p. 1.9 F7624

Western red cedar pole resources in North Idaho and northeastern Washington (A forest survey progress report) March 1939. 36 p. (Forest survey release no. 16) Issued by Northern Rocky mountain Forest and range experiment station. Missoula, Montana. 1.9 F7628F

## Graduate School

The development of cultural and social values through the relation of science to other major fields of activity. By John C. Merriam. (Lecture no. 2 in a series of ten lectures and discussions on Science; its history, philosophy and relation to democracy) 1939. 1.9 Ag81E1s

## Office of the Solicitor

Administrative procedure and practice in the Department of agriculture under the Packers and stockyards act, 1921. Prepared under the direction of Mastin G. White, Solicitor, by Ashley Sellers. 1939. 81 p. 1.9 So45Ad

## Sugar Division

Statement concerning 1939 beet sugar marketing allotments. 1939. 2 p. 1.9 Su3Mi No.3.

LE BIBLIOFILM DE LA COMMISSION INTERNATIONALE DES INDUSTRIES AGRICOLES

Through the initiative of Dr. Atherton Seidell, National Institute of Health, who took an important part in the establishment of Bibliofilm Service, now operating under a cooperative arrangement between the Department of Agriculture and the American Documentation Institute, there has been established in Paris a similar service, Le Bibliofilm de la Commission Internationale des Industries Agricoles. From this service the following letter has recently been received by the American Documentation Institute:

"In December 1870, in besieged Paris the courage of the anxious people was suddenly restored. Pigeons descending from the heavens of France caused this miracle by transporting on their wings the fragile photographic films of Dagron.

"Seventy years have passed. The microscopic messages have brought about the development of microfilm, and the airplane with giant wings has replaced the pigeon. These two results of modern science work in common for closer relations between peoples by facilitating their exchanges in the fields of thought and science.

"On the occasion of the first air service between France and the United States, LE BIBLIOFILM de la Commission Internationale des Industries Agricoles sends to the Bibliofilm Service of Washington its most sincere good wishes for the development of the work which it has undertaken.

The Secretary General  
H. V. Dupont

The Director of the  
Documentation Service  
L. de Saint-Rat."

Orders for the copying of research materials located in France, such as university doctoral dissertations in chemistry and other fields, are now being filled by the Bibliofilm Service of the American Documentation Institute, through its correspondent service in France. While the rates naturally vary, due to foreign exchange, they are approximately the same as those of the home service, averaging about two cents a page for microfilm copying. Payment may be made to the Bibliofilm Service in American money. Correspondence in regard to foreign or domestic research copying orders should be addressed to Bibliofilm Service, Care U. S. Department of Agriculture Library, Washington, D.C., not direct to the Library.

Orders are likewise being received and executed by the Bibliofilm Service through existing or developing services in Russia, Sweden, Germany, and other European countries, Japan and India, and Latin American countries. No advance quotations can be given but in the case of specific orders the maximum initiative is used in execution. While rates naturally vary, they are in the main on a non-profit basis, and much below those of photostatic copying.

Cuthbert Lee, Director,  
American Documentation Institute.







# AGRICULTURAL LIBRARY NOTES



## CONTENTS

Vol. 14

July 1939

No. 7

Principal Library Accessions.....	361
Bibliographies and Lists.....	368
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	369
Oberly Memorial Fund Committee Report, 1938-1939.....	382
Articles by State Agricultural Experiment Station Workers.....	383
Notes on Periodicals.....	415
Congresses.....	416
List of State Extension Publications.....	417
Index of Translations, U. S. Department of Agriculture Library.....	423
Selected List of Processed Publications of the U. S. Department of Agriculture.....	424
Forestry Abstracts.....	431
Agricultural Libraries Section.....	432
Jose Toribio Medina Bibliographical Prize.....	435

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.





# AGRICULTURAL LIBRARY NOTES

Vol. 14

July 1939

No. 7

## PRINCIPAL LIBRARY ACCESSIONS\*

### Advertising

SHELDON, C. A history of poster advertising. London, Chapman & Hall, 1937. 238.2 Sh4

### Agriculture

CORREA VERGARA, L. Agricultura chilena. Santiago, Chile, Imprenta Nascimento, 1938. 31.9 C81

RUSSELL, Sir E. J. Report on the work of the Imperial council of agricultural research in applying science to crop production in India. Delhi, Manager of publications, 1937. 34.2 R91

### Biography

PEARSON, E. S. Karl Pearson; an appreciation of some aspects of his life and work. Cambridge, University press, 1938. Consists of two articles originally published in Biometrika v.28 (1936), p.193-257; v.29, (1937), p.161-248. 120 P312

### Botany

CARTWRIGHT, K. St. G., and FINDLAY, W.P.K. Principal decays of softwoods used in Great Britain. London, H.M. Stationery off., 1938. 464.07 C24P

FRASER, W. P., and RUSSELL, R. C. List of the flowering plants, ferns and fern allies of Saskatchewan. Saskatoon, Sask., University of Saskatchewan, 1937. 454.44 F86

HUMBERT, H. Flore de Madagascar (plantes vasculaires). Famille 29. Tananarive, Impr. officielle, 1937. 460.51 H88F

JOHNSTON, I. M. The preparation of botanical specimens for the herbarium. Jamaica Plain, Mass., Arnold arboretum of Harvard university, 1939. 463.1 J64

MELHUS, I. E., and KENT, G. C. Elements of plant pathology. New York, Macmillan, 1939. 464 M48

### Chemistry, Toxicology

ABDERHALDEN, E. Die grundlagen unserer ernährung und unseres stoffwechsels. Ed. 4. Berlin, J. Springer, 1939. 386.3 Ab3 Ed.4

FORTSCHRITTE DER CHEMIE ORGANISCHER NATURSTOFFE. v.1. Wien, Springer, 1938. 384 F773

---

\*Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.

-----

PRINCIPAL LIBRARY ACCESSIONS

Chemistry, Toxicology (continued)

- GLASSTONE, S. Recent advances in physical chemistry. Ed. 3. Philadelphia, Blakiston, 1938. 386 G46R Ed.3
- HENRY, T. A. The plant alkaloids. Ed. 3. London, Churchill, 1938. 391 H39 Ed.3
- POROT, M. Les intoxications arsenicales par le vin et les produits viticoles. Alger, Heintz, 1938. 391 P82
- ROLLEFSON, G. K., and BURTON, M. Photochemistry and the mechanism of chemical reactions. New York, Prentice-Hall, 1939. (Prentice-Hall chemistry series) 386 R64

Dentistry

- GORDON, S. M., ed. Dental science and dental art. Philadelphia, Lea & Febiger, 1938. 448 G652

Domestic animals

- KOHMURA, T. Die veredelung des mongolischen schafes. Tokyo, Maruzen, 1938. 45 K82

Economics

- CANADIAN MARKETING PROBLEMS, ed. by H. R. Kemp. Toronto, University of Toronto press, 1939. (Political economy series, no. 3) 280.3 C167
- COUNCIL OF STATE GOVERNMENTS. Trade barrier research bulletin series. 13 nos. Chicago, 1939. Processed. 286 C832
- FEDERAL WRITERS' PROJECT. These are our lives; as told by the people and written by members of the Federal writers' project of the Works progress administration in North Carolina, Tennessee, and Georgia. Chapel Hill, University of North Carolina press, 1939. 280.002 F31
- FURTHER PAPERS on the social sciences: their relations in theory and in teaching; being the report of a conference held under the auspices of the Institute of sociology at Westfield college, Hampstead, London, from the 25th to the 27th of September, 1936, ed. by J. E. Dugdale. London, Le Play house press, 1937. 280 Sol4F
- HEARST MAGAZINES, inc. MARKETING DIVISION. Digest of "Consumer incomes in the United States, 1935-36". by National resources committee. [New York? 1939?] Processed. 280.12 H35
- HSIEH, T. Confucius said it first. Boston, Warren press, 1939. 280 H85
- KULP, C. A. Social insurance coordination; an analysis of German and British organization. Washington, Committee on social security, Social science research council, 1938. 284.6 K95
- MEYER, K., ed. Volk und lebensraum. Heidelberg, Vowinckel, 1938. (Beiträge zur raumforschung und raumordnung, herausgegeben für die Reichsarbeitsgemeinschaft für raumforschung, von K. Meyer, bd.1) 282.175 M57

-----

PRINCIPAL LIBRARY ACCESSIONS

Economics (continued)

- PANUNZIO, C. M., and others. Self-help coöperatives in Los Angeles. Berkeley, Calif., 1939. (Publications of the University of California at Los Angeles in social sciences. v. 8, no. 1) 280.2 F193
- ROYSTER, W. W. A new economic era. Glenwood, Minn., Royster, 1938. 280.12 R81
- THE TIMES, London. London County council jubilee number. London, 1939. (no.48,259, Mar. 21, 1939) 280.171 I84
- WEBSTER, D. E. The Turkey of Ataturk. Philadelphia, The American academy of political and social science, 1939. (Monographs of the American academy of political and social science. no. 3) 280.185 W39

Economics, Agricultural

- BRITNELL, G. E. The wheat economy. Toronto, University of Toronto press, 1939. (Political economy series, no. 4. Pub. by the University of Toronto press and Canadian institute of International affairs) 281.359 B772
- CHILE. Dirección general de estadística. Agricultura 1935/36 censo. Santiago, Imp. universo, 1938. 255.4 Es8Ag
- FABILA, G. Economía de la agricultura. pt. 1. Mexico, D. F., Linotipografía "La Económica", 1937. 281.14 F27
- MINLOS, B. Das dorf im republikanischen Spanien. Moskau, Internationales agrarinstituts, 1939. 281.176 M66

Education

- NEW YORK (State) UNIVERSITY. REGENTS' INQUIRY INTO THE CHARACTER AND COST OF PUBLIC EDUCATION. Education for American life. Written by L. H. Gulick and others. New York, McGraw-Hill, 1938. 275 N4842

Engineering

- MADISON, R. D., ed. Fan engineering. Ed. 4. Buffalo, Buffalo forge company, 1938. Earlier eds. by W. H. Carrier. 291 C23 Ed.4

Ensilage

- NATIONAL ASSOCIATION OF SILO MANUFACTURERS. Grass silage for more profitable livestock farming. New York, National association of silo manufacturers, 1939. 60.7 N21

Entomology

- DUNCAN, C. D. A contribution to the biology of North American vespine wasps. Stanford university, Calif., 1939. (Stanford university publications. University series. Biological sciences, v. 8, no. 1) 426 D91



-----  
 PRINCIPAL LIBRARY ACCESSIONS

## Entomology (continued)

- HARTNACK, H. 202 common household pests of North America. Chicago, Hartnack publishing co., 1939. 423 H252T  
 MOSELY, M. E. The British caddis flies (Trichoptera). London, Routledge, 1939. 432 M85  
 TEALE, E. W. The boys' book of insects. New York, Dutton, 1939. 422 T22B  
 ZACHER, F. Die gliedertiere (Arthropoda) der mühlen und getreidespeicher in Deutschland. Berlin-Steglitz [1938?] (Mitteilungen der Gesellschaft für vorratsschutz, e.v. Sonderheft) 423 Z1G

## Field crops

- CANADA. NATIONAL BARLEY COMMITTEE. The feeding value of western Canadian barley for bacon hogs. Ottawa, Canada, Dominion Department of agriculture, 1938. Processed. 389.7 C16  
 MONTGOMERY, E. G. Productive farm crops. Ed. 5., ed. by R. W. Gregory. Chicago, Lippincott, 1938. 64 M76 Ed.5  
 PEREANEZ, E. El cultivo del algodón. Bogotá, Libreria Americana [1938?] 72 P412

## Finance

- FABRICANT, S. Capital consumption and adjustment. New York, 1938. (Publications of the National bureau of economic research, inc. no. 35) 284 F11  
 HOLDSWORTH, J. T. Money and banking. Ed. 6. New York, Appleton-Century, 1937. 284 H71 Ed. 6

## Food, Cookery

- BROWN, Mrs. C. L. B. Soups, sauces and gravies. Philadelphia, Lippincott, 1939. 389.25 B812  
 GARDINER, A. G. (Mrs. Silvester Gardiner) Mrs. Gardiner's receipts from 1763. Hallowell, Me., White & Horne, 1938. 389.25 G172  
 HARRIS, F. LaG. Flavor's the thing. New York, Barrows, 1939. 389.25 H243  
 McCOLLUM, E. V., and others. The newer knowledge of nutrition. Ed. 5. New York, Macmillan, 1939. 389.1 M13 Ed.5  
 NEWILL, Mrs. P. K. Good food and how to cook it. New York, Appleton-Century, 1939. 389.25 N462  
 PLIMMER, R. H. A., and PLIMMER, V. G. Food, health, vitamins. Ed. 8. New York, Longmans, Green, 1938. 389.1 P71F Ed.8

## Forestry

- HUFNAGL, L. Lehrbuch der forsteinrichtung. Neudamm-Berlin, Neumann, 1938. 99.56 H87  
 SCHROEDER, G. H. The art and science of protecting forest lands from fire. Corvallis, Ore., OSC cooperative association, 1938. Processed. 99.51 Sch7

-----  
PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Histology

- BENSLEY, R. R., and BENSLEY, S. H. Handbook of histological and cytological technique. Chicago, University of Chicago press, 1938. 440 B44

History

- CLARK, G. N. Guide to English commercial statistics, 1696-1782. London, 1938. (Royal historical society. Guides and handbooks no. 1) 277.171 C54

Horticulture

- COMMISSION INTERNATIONALE POUR LES STATISTIQUES HORTICOLES. Projet de rapport... Rome, 1938. Processed. 90 C73
- CONGRÈS NATIONAL ET INTERNATIONAL DE L'HERBORISTERIE DE LA PRODUCTION ET DU COMMERCE DES PLANTES MÉDICINALES, 1st, Paris, 1937. Communications et rapports. Lille, Douriez-Bataille, 1938. 71.9 C76001
- DENNIS, Mrs. M. B. C. What to do with herbs, with an appendix of recipes. New York, Dutton, 1939. 97.21 D42
- HAWORTH-BOOTH, M. The flowering shrub garden. London, Country life limited, 1938. 97.31 H31
- MacFIE, D. T. Lilies for the garden and greenhouse. London, Collingridge [1939?] 96.46 M16
- TOLKOWSKY, S. Hesperides, a history of the culture and use of citrus fruits. London, Bale & Curnow, 1938. 93.33 T57
- WEBSTER, Mrs. H.M.N. Herbs; how to grow them and how to use them. Boston, Hale, Cushman & Flint, 1939. (The gardener's library, ed. by E. I. Farrington) 97.21 W39 1939
- WISTER, J. C. Four seasons in your garden. Ed. 2. Philadelphia, Lippincott, 1938. 97 W76 Ed.2

Labor and Wages

- LEWIS, J. L. Report of chairman John L. Lewis to the first constitutional convention of the C I O, Pittsburgh, Pa., November 14, 1938. Washington, Allied printing trades council, 1938. 283.9 C76
- SWEDEN. SOCIALSTYRELSEN. Undersökning rörande löneläget och lönevariationerna inom jordbruket 1935-1936. Stockholm, Haeggström, 1938. 283 Sw32Un
- VOITINSKIĬ, V. S. Seasonal variations in employment in the United States. Washington, Committee on social security, Social science research council, 1939. 283 V87S

Medicine

- McCLENDON, J. F. Iodine and the incidence of goiter. Minneapolis, University of Minnesota press, 1939. 448 M133

-----  
PRINCIPAL LIBRARY ACCESSIONS

Medicine (continued)

- MAGNER, W. A textbook of hematology. Philadelphia, Blakiston, 1938.  
448 M272
- MARTIN, E. Dextrose therapy in everyday practice; a survey of the literature, 1900-1936. New York, Hoeber, 1937. 448 M363

Parks

- JAMES, H. Romance of the national parks. New York, Macmillan, 1939.  
98.6 J23
- TRAGER, Mrs. M. W. National parks of the northwest. New York, Dodd, Mead, 1939. 98.6 T67

Personnel

- CIVIL SERVICE ASSEMBLY OF THE UNITED STATES AND CANADA. COMMITTEE ON PROFESSIONAL STANDARDS. Interim report... Sept. 1938. Chicago, 1938.  
249.3 C49

Poetry

- GENERAL FEDERATION OF WOMEN'S CLUBS. Homespun, an anthology of poetry, comp. by Anita Browne. New York, American book company, 1936.  
145 G28

Psychology

- WRIGHT, M. Managing yourself. New York, McGraw-Hill, 1938. 140 W93M

Public Speaking and Discussion

- McBURNEY, J. H., and HANCE, K. G. The principles and methods of discussion. New York, Harper, 1939. 145 M12
- THOMPSON, A. R. Handbook of public speaking. New York, Harper, 1939.  
200 T372

Science

- BAITSELL, G. A., ed. Science in progress, by E. O. Lawrence, H. C. Urey and others. New Haven, Yale university press, 1939. (The Society of the sigma xi, devoted to the promotion of research in science. National lectureships 1937 and 1938) 330 B16

Soils

- ISGUR, B. An introduction to soil science, with a chapter on tillage by C. H. Thayer. Boston, Agricultural scientific publishing co., 1938.  
56 Is2



PRINCIPAL LIBRARY ACCESSIONS

## Taxation

- OHIO. TAX COMMISSION. RESEARCH SECTION. Outline of Ohio real property taxation, 1938. [Columbus?] 1938. Processed. 284.5 Oh34Re
- OREGON. UNIVERSITY. BUREAU OF MUNICIPAL RESEARCH AND SERVICE. Trend of assessed value of taxable property in Oregon by classes of property, 1910-1937. Comp. with the assistance of Works progress administration. [Eugene?] 1938. Processed. 284.5 Or372
- ROUSSE, T. A., and HESTER, G. C. The sales tax. Austin, 1938. (The University of Texas publication. no. 3838; Oct. 8, 1938) 284.5 R76
- TAX POLICY LEAGUE. Tax exemptions. By J. W. Martin and others. New York, 1939. 284.5 T194Ta

## Trade-Marks

- AMERICAN DRUG MANUFACTURERS' ASSOCIATION. Trade-marks registered with the American drug manufacturers' association and American pharmaceutical manufacturers' association, Aug. 1, 1938. [Washington?] 1938. 311 Am3

## Water-supply

- GT. BRIT. MINISTRY OF HEALTH. ADVISORY COMMITTEE ON WATER. 1st report. London, H. M. Stationery off., 1938. 292 G79Re

## Wood-pulp

- GOIDANICH, G., and others. Ricerche sulle alterazioni e sulla conservazione della pasta di legno destinata alla fabbricazione della carta. Roma, R. Stazione di patologia vegetale, 1938. (Ente nazionale per la cellulosa e per la carta. Edizioni culturali e di propaganda) 302 G56

## Zoology

- POTTER, G. E. Textbook of zoology. St. Louis, Mosby, 1938. 411 P85

## Theses

- KLÜVER, R. Zur toxiologie des phenylhydrazins. Hamburg, 1937. Inaug.-diss. Hamburg. 391 K71
- TEICH, A. Untersuchung des künstlich gewonnenen spermas von schlachtbullen. Alfeld (Leine) 1936. Inaug.-diss. Tierarztl. hochschule, Hannover. 41.2 T23

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

London. Science museum. Science library. Science library bibliographical series.

No. 412. Natural history and reproduction of British and European bat species from 1912-1938. 1938. 9 p. 241.5 L842

No. 413. Books on rubber chemistry and rubber technology, 1934-37. 1938. 2 p. 241.5 L842

No. 414. Design of research laboratories. 1928-1937. 1938. 13 p. 241.5 L842

No. 449. Cultivation of Hydnocarpus Spp. for the production of Chaulmoogra oil. 1939. 2 p. 241.5 L842

No. 452. Recent books on textile fibres with special reference to their recognition and determination. 1939. 1 p. 241.5 L842

No. 456. Air-conditioning with reference to live-stock. 1939. 1 p. 241.5 L842

McCoy, Elizabeth. comp. The anaerobic bacteria and their activities in nature and disease. A subject bibliography, by Elizabeth McCoy and L. S. McClung. Berkeley, Univ. of California Press, 1939. 2 v. Processed. 241.72 M13

Newark (N.J.) Free public library. Business branch. Business information and its sources: a supplement. Comp. by Marian C. Manley under the direction of Beatrice Winsor. 1939. 37 p. 241.3 N424 suppl.

## U. S. Department of Agriculture

Agricultural adjustment administration.

List of available publications. 1939. 7 p. (Issued by Division of information) 1.94 Ad45L1

Bureau of chemistry and soils.

Mimeographed articles available in the Bureau of chemistry and soils. 1939. 4 p. 1.9 C49M1

Partial list of manufacturers of commercial freezing equipment.

June 1, 1939. 2 p. (Issued by Food research division) 1.9 C4925Pfe  
Extension service.

A partial list of references on handicraft. Prepared by Bess Viement Morrison. Issued March 1936; revised Jan. 1938. 12 p. (Miscellaneous extension publication no. 25) 1.9 Ex892M1

Farm security administration.

[List of publications] May 15, 1939. 5 p. 1.95 P96

Library.

References on the significance of the frontier in American history.

By Everett E. Edwards, Bureau of Agricultural Economics. Apr. 1939. 99 p. (Bibliographical contributions no. 25, ed. 2) 1.9 L61B1

Bureau of plant industry.

List of Latin, English, French, Dutch, and German names for some grasses, legumes and miscellaneous plants. Apr. 1939. 13 p. 1.9 P691L1s

-----

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

WALLACE, H. A. How agriculture, industry, labor, and government can work together for a 100-billion-dollar income. Natl. Farm. Inst. Proc. 3: 126-136. 1939.

Agricultural Adjustment Administration

BARTON, G. T., and McNEELY, J. G. Recent changes in the status of laborers and tenants on Arkansas plantations. Jour. Land & Pub. Utility Econ. 15: 235-237. May 1939

ELLIOTT, F. F. Will grass and forage planting to control erosion require readjustments in the livestock program? (Abstract) Assoc. Land-Grant Coll. & Univ. Proc. 52: 123-126. 1938.

TAYLOR, P. R. Trends of the apple industry. Ill. State Hort. Soc. Trans. (1938) 72: 288-299. [1939]

Bureau of Agricultural Economics

BENNETT, B. H. How many turkeys will be raised in 1939? Turkey World 14(4): 22, 42-43. Apr. 1939.

CAREY, L. C. The standardization of packages from a weights and measures standpoint. (Address) Natl. Assoc. Marketing Off., Proc. (1939) 20: 40-45.

CROW, W. C. Terminal market problems. (Address) Natl. Assoc. Marketing Off., Proc. (1939) 20: 9-10.

----- Wholesale fruit and vegetable markets and plans for their improvement. (Address) Ann. Meeting, Peninsula Hort. Soc. Proc. (1938) 28(5): 77-84. (1939)

JACKSON, D. Trend and present status of rural tax delinquency. (Address) Natl. Conf., Natl. Tax Assoc., Proc. (1938) 31: 357-362. (1939)

LOOMIS, C. P. and DAVIDSON, D. M., JR. Measurement of the dissolution of in-groups in the integration of a rural resettlement project. Sociometry. 2(2): 84-94. Apr. 1939.

----- Sociometrics and the study of new rural communities. Sociometry. 2(1): 56-76. Jan. 1939.

NEWELL, R. S. The reorganization of the Bureau of Agricultural Economics. (Address) Natl. Assoc. Marketing Off., Proc. (1939) 20: 5-8.

NORRIS, P. K. King Cotton is dressing up. Farmer-Stockman 51(21):5. Nov. 1, 1938.

SCHEPMOES, D. F. (Book Review) Readjustments of agricultural tenure in Ireland, by Elizabeth R. Hooker. 245 p. Chapel Hill, N. C., Univ. of N. C. Press, 1938. Jour. Land & Pub. Util. Econ. 15: 246-248. May 1939.

---

\*These lists are prepared in the offices under which they are listed, with the exception of the Office of the Secretary, Agricultural Adjustment Administration, and Office of Information.



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics (continued)

- SHERMAN, W. A. Interstate free trade - a priceless heritage. (Address) Natl. Assoc. Commrs., Sec., and Dir. of Agr., Proc. (1937) 20: 79-84. (1939)
- STEWART, J. L. An outline of American agriculture. Jour. Min. Agr. Great Britain 46(1): 39-49. Apr. 1939.
- TAEUBER, C. Agriculture and current population trends. (Address) Amer. Phil. Soc., Proc. (1938) 80: 477-489. Feb. 1939.
- THOMSEN, F. L. Farm prices and cooperation. (Address) Conf. New England Inst. Coop. Proc. (1938) 11: 24-27.
- WILLIAMS, P. M. U.S. standards for canned fruits and vegetables, and how institutional buyers may use them. (Address) Jour. Pract. Home Econ. 17(2): 52, 54-55. Feb. 1939.
- WRIGHT, J. W. Some problems in cotton marketing. (Address) Cotton Conf., Amer. Farm Bur. Fed. 7 pp. (1938) (Mimeographed by A. F. B. F.)

Bureau of Agricultural Engineering

- HUKILL, W. V. Wall construction for air-conditioned houses and for refrigerated storages. Agr. Eng. 20(2): 67-70. Feb. 1939.

Bureau of Animal Industry

- DIKMANS, GERARD and POELMA, L. J. Trichomoniasis genital de los bovinos con especial referencia al diagnostico. Rev. Med. Vet. 21: 73-79. Jan.-Feb. 1939.
- EICHORN, E. A., and MANTHEI, C. A. Propagation of the virus of vesicular stomatitis in the chick embryo. Amer. Vet. Med. Assoc. Jour. 47: 608-611. June 1939.
- GOCHENOUR, W. S., STEIN, C. D. and OSTEEEN, O. L. Sulfanilamide in the treatment of infectious anemia. Vet. Med. 34: 424-430. July 1939.
- GREY, C. G. Acute endocarditis in a cow. Amer. Vet. Med. Assoc. Jour. 47: 656-657. June 1939.
- HARWOOD, P. D., HABERMANN, R. T., and JERSTAD, A. C. Efficacy of commercial phenothiazine in the removal of roundworms from sheep. Vet. Med. 34: 440-443. July 1939.
- McINTOSH, ALLEN. A new dicrocoeliid trematode collected on the presidential cruise of 1938. Smithson. Misc. Collect. 98(16): 2p. June 8, 1938.
- McPHEE, H. C. Science helps the sire. Country Gent. 109(6): 12, 63. June 1939.
- MILLER, W. T., and JOHNSON, H. W. Bovine mastitis; the relation of streptocci to physical changes occurring in the udders of dairy cows. Amer. Jour. Pub. Health. 28: 1222-1230. Oct. 1938.
- MOHLER, J. R. "Sleeping sickness" of horses and mules; a radio interview with Dr. John R. Mohler. Allied Vet. 10(3): 10-11. May-June, 1939.
- MOHLER, W. M. Johne's disease infection of laboratory animals with aid of paraffin oil. Amer. Vet. Med. Assoc. Jour. 47: 590-594. June 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry (continued)

- QUINN, J. P. Sexual dimorphism in down and adult plumage of the pilgrim goose. Jour. of Heredity 30: 55-57. Feb. 1939.
- SPINDLER, L. A. Effect of ferric sulphate and copper sulphate on coccidiosis in lambs. North Amer. Vet. 20(5): 33-38. May 1939.

Bureau of Biological Survey\*

- ENDERS, R. K. The physiology of reproduction in the mink. Amer. Fur Breeder 11 (10): 6, 8. April 1939; and Fur Jour. 5 (6): 3-5. April 1939.
- IMLER, R. H. Note on Kansas and Colorado starlings. Wilson Bul. 51: 46. March 1939.
- LINCOLN, F. C. The migration of American birds. Doubleday, Doran & Co. 189 p., illus. June 6, 1939.
- ZAHNISER, H. Indoors and out. Nature Mag. 32: 303, 351. June/July 1939.

Bureau of Chemistry and Soils

- ADAMS, J. R. A comparison of the official and MacIntire, Shaw and Hardin methods for determining available phosphoric acid. Jour. Assoc. Offl. Agr. Chem. 22: 397-400. May 1939.
- BREWER, A. K. (Book Review) Electrochemistry of gases and other dielectrics, by George Glockler and S. C. Lind. Jour. Phys. Chem. 43: 812-813. June 1939.
- Isotopes of potassium in phosphate rocks and soils. Jour. Amer. Chem. Soc. 61: 1597-1599. June 1939.
- DAVIDSON, J. The quantitative adaptation of the codcine test for the colorimetric determination of selenium in plant materials. Jour. Assoc. Offl. Agr. Chem. 22: 450-458. May 1939.
- DIEHL, H. C. and CAMPBELL, HORACE (With M. A. JOSLYN and C. L. MARSH, Univ. of Calif.) Two major laboratories issue joint statement on blanching. West. Canner & Packer 31: 117. April, 1939.
- EDWARDS, W. L. Equipment life extended. Chem. & Metall. Eng. 46: 361. June 1939.
- HENDRICKS, S. B. Polymorphism of the micas and diffuse x-ray scattering of layer silicate lattices. Nature 143: 800. May 13, 1939.
- KUNSMAN, C. H. Agricultural physics. The Amer. Phys. Teacher 7: 160-163. June 1939.
- MERZ, A. R. (Book Review) Chemie erobert die Welt. By Walter Greiling. Berlin, Wilhelm Limpert-Verlag. Indus. & Engin. Chem., News Ed. 17: 295-296, April 20, 1939.
- Fertilizers. In Natl. Encyclopedia Yearbook, 1938, p. 256-258. June 19, 1939.

---

\*Under the President's reorganization plan No. 2, the Bureau of Biological Survey was transferred to the Department of the Interior, effective July 1, 1939. Hereafter contributions from the Bureau will not therefore be included in Agricultural Library Notes.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Chemistry and Soils (continued)

- RABAK, W. Observations of the effect of ethylene on the softening of Yakima grown bartlett pears. West. Canner & Packer 31(4): 26-28, April 1939.
- RADER, L. F. JR. and ROSS, W. H. The effect of fluorine in the determination of citrate-insoluble phosphoric acid by the official method. Jour. Assoc. Offl. Agr. Chem. 22(2): 400-408, May 1939.
- ROSS, W. H. and ADAMS, J. R. Report on phosphoric acid - A. Effect of the method of filtering on the determination of water-soluble  $P_2O_5$ . II. B. Variation in citrate-insoluble  $P_2O_5$  with the time interval between the water extraction and citrate digestion. II. Jour. Assoc. of Offl. Chem. 22(2): 254-263, May 1939.
- and DEMING, L. S. The influence of fertilizers on crop yields in the United States by decades. Com. Fert. 58(6): 11-12, 14-15, 18-22, June 1939.
- SPEH, C. F. The naval stores research division, Bureau of Chemistry and Soils. In Gamble's Internatl. Naval Stores Yearbook for 1939-1940, p. 151-152

Bureau of Dairy Industry

- BABCOCK, C. J. Report of quality improvement committee. (Abstract.) Jour. Dairy Sci. 22: 486. June 1939.
- CONE, J. F. A new routine extending the usefulness of the Hotis test for mastitis. (Abstract.) Jour. Dairy Sci. 22: 445-446. June 1939.
- GOMEZ, E. T. The relation of the posterior hypophysis in the maintenance of lactation in hypophysectomized rats. (Abstract.) Jour. Dairy Sci. 22: 488. June 1939.
- HODGSON, R. E. (With J. C. Knott, Wash. Agr. Expt. Sta.) The chemical composition and nutrient yield of pasture grass grazed at successive intervals during the season. (Abstract.) Jour. Dairy Sci. 22: 452-453. June 1939.
- (With J. C. Knott, Wash. Agr. Expt. Sta.) The nutritive value of an alfalfa hay ration compared with a mixed grass and legume hay and grass silage ration for dairy cattle. (Abstract.) Jour. Dairy Sci. 22: 448-449. June 1939.
- HOLM, G. E. Industrial products of the dairy industry. (Abstract.) Amer. Chem. Soc. Abs. Papers 97th Mtg. 1939 (A): 4.
- KENDRICK, J. F. Community dairy cattle breeding plans. (Abstract.) Jour. Dairy Sci. 22: 473. June 1939.
- Utilization of proved-sire records and herd-analysis data. (Abstract.) Jour. Dairy Sci. 22: 477-478. June 1939.
- LEIGHTON, A., and LEVITON, A. Whipping capacity of ice cream mixes. Indus. and Engin. Chem. 31: 779-783. June 1939.
- LEVITON, A. The separation of the constituents of whey. (Abstract.) Amer. Chem. Soc. Abs. Papers 97th Mtg. 1939 (A): 6.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Dairy Industry (continued)

- SANDERS, G. P., and FARRAR, R. R. Some factors affecting the moisture content of Swiss cheese and their effects upon quality and yield. (Abstract.) Jour. Dairy Sci. 22: 433-434. June 1939.
- SMITH, L. T., and CLABORN, H. W. Utilization of lactic acid. Indus and Engin. Chem. News Ed. 17: 370-371. June 10, 1939.
- TRIMBLE, C. S. Regulatory legislation and its relationship to research in manufactured dairy products. (Abstract.) Jour. Dairy Sci. 22: 423. June 1939.
- WEBB, B. H. Whey products in foods. (Abstract.) Amer. Chem. Soc. Abs. Papers 97th Mtg. 1939 (A): 5.
- and HOLM, G. E. The separation of fat in evaporated milk. Jour. Dairy Sci. 22: 363-366. May 1939.
- WHITTIER, E. O., and GOULD, S. P. Casein fiber. Indus. and Engin. Chem. News Ed. 17: 369. June 10, 1939.

Bureau of Entomology and Plant Quarantine

- BARBER, H. G. A new species of Heterogaster from the southern part of the United States (Hemiptera: Lygacidae). Ent. Soc. Wash. Proc. 41: 173-174. May 1939. [Heterogaster flavicosta, new species.].
- CASSIL, C. C. (With H. J. WICHMANN, Food and Drug Admin.) A rapid volumetric micro method for determining arsenic. Jour. Assoc. Offic. Agr. Chem. 22: 426-445. May 1939.
- CASSIL, C. C. Report on arsenic. Jour. Assoc. Offic. Agr. Chem. 22: 319-320. May 1939.
- DONCKE, H. C. Notes on Coleoptera found in raisin storages. Ent. Soc. Wash. Proc. 41: 154-165. May 1939.
- FISHER, W. S. A new species of Vriletta from California (Coleoptera: Anobiidae). Ent. Soc. Wash. Proc. 41: 174-175. May 1939. [Vriletta californica, new species.].
- GADDIS, B. M. Progress in peach mosaic control, 1937-1938. Calif. Dept. Agr. Spec. Pub. no.166 (Proc. 20th Ann. Conf. West. Plant Quar. Bd. ... 1938): 57-58. 1939.
- GJULLIN, C. M., YATES, W. W., and STAGE, H. H. The effect of certain chemicals on the hatching of mosquito eggs. Science. 89: 539-540. June 9, 1939.
- HAMLIN, J. C., McDUFFIE, W. C., and BUNN, R. W. Second progress report of research on quarantine aspects of the alfalfa weevil problem. Calif. Dept. Agr. Spec. Pub. no.166 (Proc. 20th Ann. Conf. West. Plant Quar. Bd. ... 1938): 58-68. 1939.
- HAWKINS, L. A. Fumigation of plant-quarantine products with methyl bromide. Calif. Dept. Agr. Spec. Pub. no.166 (Proc. 20th Ann. Conf. West. Plant Quar. Bd. ... 1938): 51-56. 1939.
- MARKWOOD, L. N. The photometric determination of nicotine on apples, without distillation. Jour. Assoc. Offic. Agr. Chem. 22: 427-436. May 1939.
- MUESEBECK, C. F. W. A new reared Meteorus from Tasmania (Hymenoptera: Braconidae). Ent. Soc. Wash. Proc. 41: 172-173. May 1939. [Meteorus dumbletoni, new species.].

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- SMITH, M. R. The North American ants of the genus *Harpagoxenus* Forel, with the description of a new species (Hymenoptera: Formicidae). Ent. Soc. Wash. Proc. 41: 165-172. May 1939. [*Harpagoxenus canadensis*, new species.].
- SMITH, M. R. Notes on *Leptothorax* (*Mychothorax*) *hirticornis* Emery, and description of a related new species (Formicidae). Ent. Soc. Wash. Proc. 41: 176-180. May 1939. [*Leptothorax* (*Mychothorax*) *diversipilosus*, new species.].
- STONE, A. Two new *Aedes* from Guam (Diptera, Culicidae). Ent. Soc. Wash. Proc. 41: 162-165. May 1939.
- STRONG, L. A. Some quarantine observations. Calif. Dept. Agr. Spec. Pub. no. 166 (Proc. 20th Ann. Conf. West. Plant Quar. Bd. ... 1939): 49-51. 1939.
- WADE, J. S. A contribution to a bibliography from 1909 to 1936 of Henry David Thoreau. Jour. N. Y. Ent. Soc. 47: 163-203. June 1939.

Forest Service

- ANDERSON, I. V. (Book review) Results and application of a logging and milling study in the western white pine type of northern Idaho, by E. F. Rapraeger. University of Idaho Bul. vol. 33, no. 16. 55p. plates, figs. Published by Western pine association, State forester of Idaho, and School of forestry of the University of Idaho. 1938. Jour. Forestry 37: 505. June 1939.
- BRIEGLEB, P. A. (Book review) Forest mensuration, by Earl G. Mason and Harry I. Nettleton. 4th edition. 131p. illus. (Lithographed). Oregon state college cooperative assoc., Corvallis, Oregon. 1938. Jour. Forestry 37: 505-506. June 1939.
- BRUCE, H. D. The role of chemicals in firebreak maintenance. In The Utah Juniper, v. 10, 1939, p. 12-19.
- CHAPLINE, W. R. Can research aid in the solution of range problems? In The Ames Forester, v. 27, 1939, p. 7-17.
- CULLEY, M. The degagon for vegetation studies. Jour. Forestry 37(6): 492-493. June 1939.
- CUNO, J. B. Production of loblolly pine pulpwood in the mid-Atlantic region. South. Pulp and Paper Jour. 1(4): 13-16. Mar. 1939; 1(6): 9-15, 26. May 1939.
- GISBORNE, H. T. Fire danger meter design. In The Utah Juniper, v. 10, 1939, p. 5-11.
- GOODELL, B. C. A soil boring tool for frost depth determination. Jour. Forestry 37(6): 457-459. June 1939.
- GUTHRIE, J. D. (Book review) American place names, by Alfred H. Holt. 220p. Thomas H. Crowell co., New York, 1938. Jour. Forestry 37: 504-505. June 1939.
- HETZEL, J. E. An extension rod for measuring tree heights. Jour. Forestry 37: 494-495. June 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- HORNIBROOK, E. M. A modified tree classification for use in growth studies and timber marking in Black hills ponderosa pine. Jour. Forestry 37: 483-488, June 1939.
- KIRKLAND, B. P. (Book review) Care of forests and cutting for profit, by Herman Work and W. R. Gingerich. 36p. illus. West Virginia pulp and paper company. Covington, Va., Piedmont, W. Va. 1939. Jour. Forestry 37: 499. June 1939.
- KOFHLER, A. (Book review) A dictionary of wood, by E. H. B. Boulton. 205p. illus. Thos. Nelson and sons, Ltd., London, Toronto and New York. 1938; and Philippine woods, by Luis J. Reyes. Philippine dept. agric. and commerce. Tech. bul. 7. 536p. plates. 1938. Jour. Forestry 37: 502-503. June 1939.
- MOREY, H. F. Research problems in the management of the northern white pine in the northeastern United States. In The Ames Forester, v. 27, 1939, p. 41-47.
- NELSON, A. Z. Why not more State trees? Trees Mag. 2(1): 7, 16-17. Jan. 1939.
- PAUL, B. H. Variation in the specific gravity of the springwood and summerwood of four species of southern pines. Jour. Forestry 37: 478-482, June 1939.
- PEARSON, G. A. (Book review) The forests of Sweden, by Thorsten Stroyffert. New Sweden tercentenary publications. 72p. illus. Alb. Bonniers Boktryckeri, Stockholm, 1938. Jour. Forestry 37: 500-502. June 1939.
- RANGLES, Q. Logging in the Southwest. In The Michigan Forester, v. 20, 1939, p. 16-19.
- REYNOLDS, R. R. Management of the forest for maximum production. In The Michigan forester, v. 20, 1939, p. 12-15.
- RUDOLF, P. O. (Book review) The plant and its water supply, by E. J. Salisbury. Jour. Royal Hort. Soc. 62(10): 425-442. illus. 1937. Jour. Forestry 37: 499-500. June 1939.
- SCHREINER, E. J. Some ecological aspects of forest genetics. Jour. Forestry 37: 462-464. June 1939.
- SHERRARD, E. C. Wood plastics, their development and future importance. In The Michigan Forester, v. 20, 1939, p. 33, 68-69.
- SPARHAWK, W. N. (Book review) Forêts Privées. Gestion - Régime Fiscal - Reboisement des Terrains Incultes - Propaganda Forestière (Private forests: Their management, fiscal control, reforestation of waste land and forestry propaganda). v. 1. Europe. Compiled by Geza Lunoz. 386p. International institute of agriculture, Rome, 1938. Jour. Forestry 37: 503-504. June 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- VAN METER, T. H. Recent fire control developments. (In The Utah Juniper, v. 10, 1939, p. 20-24.)
- WINTERS, R. K. Fuelwood consumption in the lower South. Jour. Forestry 37: 445-448. June 1939.
- WOODBURY, T. D. Comments on "What woods practices are necessary for the development of private forestry" [by Clyde S. Martin, Jour. Forestry 37: 465-468. June 1939]. Jour. Forestry 37: 469-470. June 1939.

Office of Information

- EISENHOWER, M. S. Who should be responsible in the development of an agricultural planning program? (Abstract) Assoc. Land-Grant Coll. & Univ. Proc. 52: 118-122. 1938.
- POWELL, E. C. Successes and failures with lilies. Amer. Lily Year Book 1939: 62-66. 1939.

Bureau of Plant Industry

- ALDRICH, W.W. and GRIM, J.J. Further investigations on the relation of pruning to set of fruit in pears. Amer. Soc. Hort. Sci. Proc. (1938) 36:329-334. 1939.
- ALLARD, H. A. Marsh gas in the ecology of some peat-bogs. Science 89:533-535. June 9, 1939.
- AUCHTER, E.C. Contributions to rose culture by the Bureau of Plant Industry, U. S. Dept. of Agriculture. Florists' Exch. 92(24):13. June 17, 1939.
- BERGMAN, H.F. Cooperative cranberry investigations. Mass. Agr. Expt. Sta. Bul. 355:43-45. Feb. 1939.
- BATJER, L. P. and MAGNESS, J.R. Nitrate movement in orchard soils in relation to time of application. Amer. Soc. Hort. Sci. Proc. (1938) 36:49-50. 1939.
- Potassium content of leaves from commercial apple orchards. Amer. Soc. Hort. Sci. Proc. (1938) 36:197-201. 1939.
- BERGMAN, H.F. Observations on powdery mildew on cultivated blueberries in Massachusetts in 1938. Phytopathology 29:545-546. June 1939.
- BLAKE, S.F. A new Aplopappus from the Death Valley region, California. Wash. Biol. Soc. Proc. 52:97-98. June 5, 1939.
- BOSWELL, V.E., TOOLE, E.H., and FISHER, D.F. A study of rapid deterioration of vegetable seeds and methods for its prevention. Amer. Soc. Hort. Sci. Proc. (1938) 36: 655-659. 1939.
- BROWN, E.M. Some effects of temperature on the growth and chemical composition of certain pasture grasses. Mo. Agr. Expt. Sta. Res. Bul. 299. 76 p. Apr. 1939. (In cooperation)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- CASH, E.K. Two species of Hysteriales on Smilax. Mycologia 31: 289-296. May/June 1939.
- COLE, J.R. and LARGE, J.R. Resumé of four year's spraying of Schley pecans with bordeaux mixture to control the scab disease. Peanut Jour. and Nut World 18(8):26-28. June 6, 1939.
- CULLINAN, F.P., SCOTT, D.H., and WAUGH, J.G. The effects of varying amounts of nitrogen, potassium, and phosphorus on the growth of young peach trees. Amer. Soc. Hort. Sci. Proc. (1938) 36:61-68. 1939.
- CULPEPPER, C.W. and MOON, H.H. Effect of temperature upon the rate of elongation of the stems of asparagus grown under field conditions. Plant Physiol. 14:255-270. Apr. 1939.
- CURTIS, A.H. Growth studies of King Alfred narcissus bulbs. Amer. Soc. Hort. Sci. Proc. (1938) 36:781-782. 1939.
- DARROW, G.M. and MAGNESS, J.R. Investigations on mulching red raspberries. Amer. Soc. Hort. Sci. Proc. (1938) 36:481-484. 1939.
- DERMEN, H. and DARROW, G.M. Colchicine-induced tetraploid and 16-ploid strawberries. Amer. Soc. Hort. Sci. Proc. (1938) 36:300-301. 1939.
- DERMEN, H. and SCOTT, D.H. A note on natural and colchicine-induced polyploidy in peaches. Amer. Soc. Hort. Sci. Proc. (1938) 36: 299. 1939.
- ELLIS, D.E. Ceratostomella ips associated with Ips lecontei in Arizona. (Note) Phytopathology 29:556-557. June 1939.
- EMSWELLER, S.L. and PRYOR, R.L. (With C.O. BLODGETT, Univ. Calif., Berkeley) A statistical study of doubleness in nasturtium. (Abstract) Amer. Soc. Hort. Sci. Proc. (1938) 36:826. 1939.
- (With G.O. RANDALL and J.G. WEAVER, N. C. State Col. Agr.) Fertilizer for narcissus bulbs in North Carolina (Progress report). Amer. Soc. Hort. Sci. Proc. (1938) 36:791-795. 1939.
- FISCHER, G.W. Studies of the susceptibility of forage grasses to cereal smut fungi. II. A preliminary report on Ustilago Hordei and U. nigra. Phytopathology 29:490-494. June 1939.
- GERHARDT, F. and EZELL, B.D. Respiration and emanation of volatiles from Bartlett pears as influenced by ripening and storage. Amer. Soc. Hort. Sci. Proc. (1938) 36:423-426. 1939.
- GOSS, W.L. Vegetable seed growing, particularly onion, and laboratory testing for germination. Calif. Dept. Agr. Bul. 29:253-265. Apr. 1939. (In cooperation)
- GREATHOUSE, G.A. Alkaloids from Sanguinaria canadensis and their influence on growth of Phymatotrichum omnivorum. Plant Physiol. 14:377-380. Apr. 1939.
- HALLER, M.H. (With A.L. SCHRADER, Univ. Md., Senior author.) A comparison of wetting agents in apple washing. Amer. Soc. Hort. Sci. Proc. (1938) 36:243-246. 1939.
- Storage of strawberry plants. Amer. Soc. Hort. Sci. Proc. (1938) 36:466-472. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- HARDING, P.L., WINSTON, J.R. and FISHER, D.F. Seasonal changes in the ascorbic acid content of juice of Florida oranges. Amer. Soc. Hort. Sci. Proc. (1938) 36:358-370. 1939.
- HARLEY, C.P. Some associated factors in the development of watercore. Amer. Soc. Hort. Sci. Proc. (1938) 36:435-439. 1939.
- HEPTING, G.H. and TOOLE, E.R. The hemlock rust caused by *Melampsora farlowii*. Phytopathology 29:463-473. June 1939.
- HESSE, C.O. (With C.W. Hitz, Univ. Md.) Maturity studies with Johnathan and Grimes Golden apples. Amer. Soc. Hort. Sci. Proc. (1938) 36:351-357. 1939.
- Variation in resistance to brown rot in apricot varieties and seedling progenies. Amer. Soc. Hort. Sci. Proc. (1938) 36:266-268. 1939.
- HESSLER, L.E., EGGLE, D.R., RIGLER, N.E. and ADAMS, J.E. Composition of bark and inner part of roots of the cotton plant. Amer. Soc. Agron. Jour. 31:528-540. June 1939.
- HOPE, C. *Kalanchoe grandiflora*. Natl. Hort. Mag. 18:152-155. Apr. 1939.
- Some Bryophyllums and a Kitchingia. Natl. Hort. Mag. 18: 116-134. Apr. 1939.
- KIGHTLINGER, C.V. Cooperative tobacco investigations. Mass. Agr. Expt. Sta. Bul. 355:20-22. Feb. 1939. (In cooperation)
- KING, J.R. and HESSE, C.O. Pollen longevity studies with deciduous fruits. Amer. Soc. Hort. Sci. Proc. (1938) 36:310-313. 1939.
- LUMSDEN, D.V. The influence of storage temperatures on the forcing of King Alfred narcissus bulbs. Amer. Soc. Hort. Sci. Proc. (1938) 36:786-790. 1939.
- LUTZ, H. The effect of size of young pecan trees on their subsequent growth and yield. Amer. Soc. Hort. Sci. Proc. (1938) 36:335-338. 1939.
- LUTZ, J.M. Evaluating quality changes in certain vegetables after harvesting. Amer. Soc. Hort. Sci. Proc. (1938) 36:754-759. 1939.
- McKAY, J.W. and CRANE, H.L. The immediate effect of pollen on the fruit of the chestnut. Amer. Soc. Hort. Sci. Proc. (1938) 36: 293-298. 1939.
- McWHORTER, F.P. Application of fine grain processing and condenser illumination enlarging to photomicrography. Stain Technol. 14: 87-96. July 1939. (With Oreg. Agr. Expt. Sta.)
- MAGNESS, J.R. and REGEIMBAL, L.O. The nitrogen requirement of the apple. Amer. Soc. Hort. Sci. Proc. (1938) 36:51-55. 1939.
- MAGOON, C.A., MYERS, A.T., DIX, I.W. and BRUNSTETTER, B.C. A spectrographic study of Concord and Ontario grape varieties. Amer. Soc. Hort. Sci. Proc. (1938) 36:485-491. 1939.



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- MARTIN, R.F. The rushes of West Virginia. *Castanea* 4:39-49. Apr./May 1939.
- MASURE, M.P. Some comparisons of methods of measuring fruit respiration. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:223-229. 1939.
- MEADER, E.M. (With M.A. Blake, N. J. Agr. Expt. Sta.) Some plant characteristics of the progeny of *Prunus persica* and *Prunus kansuensis* crosses. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:287-291. 1939.
- MILLER, E.V. and SCHOMER, H.A. Physiological studies of lemons in storage. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:433-434. 1939.
- MITCHELL, J.W. Effect of indoleacetic acid on the growth of some crop plants. *Amer. Soc. Hort. Sci. Proc.* (1938) 35:171-176. 1939.
- MOORE, D.C. and ALDRICH, W.W. Leaf and fruit growth of the date in relation to moisture in a saline soil. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:216-222. 1939.
- MOSS, E.G. Economy and efficiency in curing tobacco. *Progr. Farm. Car.-Va. Ed.* 64(7):6. July 1939.
- MULFORD, F.L. Three year studies in the behavior of twenty-one chrysanthemum clones flowering at different seasons. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:823-825. 1939.
- MULLER, C.H. A new species of agave from Trans-Pecos Texas. *Amer. Midland Nat.* 21:763-765. May 1939.
- Relations of the vegetation and climatic types in Nuevo Leon, Mexico. *Amer. Midland Nat.* 21:687-729. May 1939.
- NEWELL, L.C. New grasses for Nebraska. *Nebr. State Bd. Agr. Ann. Rpt.* 1938:166-174. [1938] (In cooperation)
- PELTIER, G.L., SCHROEDER, F.R. and WRIGHT, E. Distribution and prevalence of ozonium root rot in the shelterbelt planting area of Oklahoma. *Phytopathology* 29:485-590. June 1939.
- POST, T.B. Comparative study of pollen of *Lilium longiflorum* varieties. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:833-836. 1939.
- Studies of the pollen of the perennial phlox. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:831-832. 1939.
- POTTER, G.F. Low temperature effects on woody plants. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:185-193. 1939.
- PRESLEY, J.T. Unusual features in the behavior of sclerotia of *Phyromatotrichum omnivorum*. *Phytopathology* 29:498-502. June 1939.
- FRYOR, R.L. Growth studies in tulips. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:763-764. 1939.
- Time of bloom of double and single stocks. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:765-766. 1939.
- ROMBERG, L.D. and SMITH, C.L. Effects of indole-3-butyric acid in the rooting of transplanted pecan trees. *Amer. Soc. Hort. Sci. Proc.* (1938) 36:161-170. 1939.
- SANDO, W.J. Effect of mutilation of wheat seeds on growth and productivity. *Amer. Soc. Agron. Jour.* 31:558-565. June 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- SCHUSTER, C.E. (With O.T. McWHORTER and R.E. STEPHENSON, Oreg. State Col.) Response of fruit trees near The Dalles, Oregon, to applications of boron and zinc. Amer. Soc. Hort. Sci. Proc. (1938) 36:99-101. 1939.
- SEARS, E.R. Cytogenetic studies with polyploid species of wheat. I. Chromosomal aberrations in the progeny of a haploid of *Triticum vulgare*. Genetics 24:509-523. July 1939. (With Mo. Agr. Expt. Sta.)
- SHEAR, C.L. Mycological notes. III. Mycologia 31:322-335. May/June 1939.
- SIEGLINGER, J.B. and MARTIN, J.H. Tillering ability of sorghum varieties. Amer. Soc. Agron. Jour. 31:475-488. June 1939.
- SITTON, B.G. and DODGE, F.N. Growth and fruiting of three varieties of pecans on different seedling rootstocks. Amer. Soc. Hort. Sci. Proc. (1938) 36:121-125. 1939.
- SMITH, C.L. Three years results of thinning the stand as compared with pruning thickly planted pecan trees. Amer. Soc. Hort. Sci. Proc. (1938) 36:339-346. 1939.
- SMITH, L. Mutants and linkage studies in *Triticum monococcum* and *T. aegilopoides*. Mo. Agr. Expt. Sta. Res. Bul. 298. 26 p. Apr. 1939. (In cooperation)
- STEINBAUER, C.E. and BEATTIE, J.H. Influence of lime and calcium chloride applications on growth and yield of sweetpotatoes. Amer. Soc. Hort. Sci. Proc. (1938) 36:526-532. 1939.
- STEINBERG, R.A. Growth of fungi in synthetic nutrient solutions. Bot. Rev. 5:327-350. June 1939.
- STEVENS, H.E. Avocado sun-blotch in Florida. Phytopathology 29: 537-541. June 1939.
- STITT, R.E. The response of lespedeza to lime and fertilizer. Amer. Soc. Agron. Jour. 31:520-527. June 1939.
- STOUTEMYER, V.T. Talc as a carrier of substances inducing root formation in softwood cuttings. Amer. Soc. Hort. Sci. Proc. (1938) 36:817-822. 1939.
- THOMPSON, R.C. and KOSAR, W.F. Polyploidy in lettuce induced by colchicine. Amer. Soc. Hort. Sci. Proc. (1938) 36:641-644. 1939.
- TOOLE, E.H. and TOOLE, V.K. Germination of carpet grass seed. (Note) Amer. Soc. Agron. Jour. 31:566-567. June 1939.
- TRAUB, H.P., RUSSELL, C.H., O'RORK, C.T. jr., TUBBS, J.M., and CALDWELL, R.E. The sulphuric acid oil digestion method for avocados. Amer. Soc. Hort. Sci. Proc. (1938) 36:429-431. 1939.
- TRUE, R.P. (With S.S. SLOWATA, Bur. Ent. & Plant Quar.) Scouting and sampling elms with symptoms commonly associated with the Dutch Elm disease as an aid in eradicating *Ceratostomella ulmi*. Phytopathology 29:529-536. June 1939.



-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- TYSDAL, H.M. (With T.A. KIESSELBACH, Nebr. Agr. Expt. Sta.) The differential response of alfalfa varieties to time of cutting. Amer. Soc. Agron. Jour. 31:513-519. June 1939.
- WALTER, J.M. Observations on fructification of *Ceratostomella ulmi* in England. (Note) Phytopathology 29:551-553. June 1939.
- WESTER, R.E. and MAGRUDER, R. Effect of size, condition, and production locality on germination and seedling vigor of Baby Fordhook bush lima bean seed. Amer. Soc. Hort. Sci. Proc. (1938) 36: 614-622. 1939.
- WHITEMAN, T. M. and WRIGHT, R.C. Notes on the storage of Wedgewood iris blooms. Amer. Soc. Hort. Sci. Proc. (1938) 36:783-785. 1939.
- WRIGHT, R.C. Low-temperature effects on the physiology of plant organs in relation to commercial storage. (Abstract) Amer. Soc. Hort. Sci. Proc. (1938) 36:196. 1939.
- YERKES, G.E. (With R.H. SUDDS, W. Va. Univ.) Influence of the stocks on the performance of certain apple varieties. Amer. Soc. Hort. Sci. Proc. (1938) 36:116-120. 1939.

Soil Conservation Service

- ASBURY, T.L. Soil conservation districts in Georgia. Ga. Agr. 16 (4): 4, 16. Jan. 1939.
- BEALE, C.B. Forestry in connection with S.C.S. Ga. Agr. 16 (4): 7, 16. Jan. 1939.
- BUE, T.S. Matching industry's progress. Agrarian 1 (3): 6-7, 32. June 1939.
- FRANKLIN, S. Wildlife and soil conservation. Ga. Agr. 16 (4): 5, 16. Jan. 1939.
- LOWDERMILK, W. C. Across North Africa with a soil conservationist. Amer. Forests 45: 343-345, 384. July 1939.
- MANWEILER, J. Woodland caribou from Saskatchewan. Parks and Recreation 22: 134-138. Nov. 1938.
- Woodland caribou study in northern Minnesota. Parks and Recreation 22 (2): 74-78. Oct. 1938.
- MUSSER, R.H. Coon Valley -- Five years after. Wisc. Agr. and Farmer 66 (12): 1, 16. June 17, 1939. (Reprint from Soil Conservation. May 1939)
- OTT, G.H. and Rouse, H. Wind-tunnel classifier for sand and silt. Inexpensive apparatus sorts granular materials for laboratory use. Civ. Engin. 9: 414-415. July 1939.
- POLLOCK, J.E. Strip cropping to minimize erosion. Ga. Agr. 16 (4): 8. Jan. 1939.



OBERLY MEMORIAL FUND COMMITTEE REPORT 1938-1939

The following report of the Oberly Memorial Fund Committee for 1938-1939 was submitted on June 7, 1939, to the President and Executive Board of the American Library Association:

"Your committee has the honor of making the eighth award of the Oberly Memorial Prize to Miss Bercaw and Mrs. Hannay for their bibliography entitled "Bibliography on Land Utilization, 1918-36."

The committee begs leave to make honorable mention of Miss Hennefrund's and Miss Colvin's bibliography, The Soybean Industry; A Selected List of References on the Economic Aspects of the Industry in the United States, 1900-1938; and the bibliography by Mr. Renner and others, A Selected Bibliography on Management of Western Ranges, Livestock, and Wild Life.

The bibliographies submitted for this, the eighth, biennial competition are as follows:

Bercaw, Louise O., and Hannay, Annie M. Bibliography on land utilization, 1918-36. U. S. Dept. Agr. Misc. Pub. 284, 1508 pp. January 1938.

Hennefrund, Helen, and Colvin, Esther M. The soybean industry; a selected list of references on the economic aspects of the industry in the United States, 1900-1938. U. S. Dept. of Agr., Bur. Agr. Econ., Agr. Econ. Bibliog. 74, 474 pp. October 1938.

Mineographed

Kistler, Ellen D. Bibliography of local flora published since 1890. 104 pp.

Typewritten.

Otero, Jose I., and Cook, Melville T. A bibliography of mycology and phytopathology of Central and South America, Mexico, and the West Indies. Journal of Agriculture of the University of Puerto Rico, v. 21, no. 3, pp. 249-486. July 1937.

Renner, F. C., Crafts, Edward C., Hartman, Theo C., and Ellison, Lincoln. A selected bibliography on management of western ranges, livestock, and wild life. U. S. Dept. Agr. Misc. Pub. 281, 468 pp. March 1938.

One copy of each bibliography submitted has been deposited in the U. S. Department of Agriculture Library, Washington, D. C., as has been the custom in the past.

Respectfully submitted,

Paul Alcorn  
Ralph M. Brown  
Edna C. Noble  
Caroline E. Reinke  
Frances Warner  
Cora L. Feldkamp, Chairman"

-----

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK\*

Alabama

- BARRONS, K. C. Natural crossing in beans at different degrees of isolation. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 637-640. 1939.
- WARE, L. M. Influence of summer legumes on the early spring crop of snap beans in south Alabama. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 509-512. 1939.

Arizona

- WHARTON, M. F., and FRAZIER, W. A. Effect of certain storage treatments on field and laboratory germination of seeds of Imperial 152 and Imperial 615 lettuce. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 680-686. 1939.  
(M. F. Wharton, Phoenix, Ariz.)

Arkansas

- KIK, M. C. The biological value of the proteins of rice and its by-products. Cereal Chem. 16: 441-447. May 1939.
- WATTS, V. M. Rest period in cucumber seeds. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 652-654. 1939.

California

- ALLEN, F. W. Fruit handling and storage investigations: carbon dioxide storage - waxing process - a progress report. Ice and Refrig. 96: 451-453. June 1939.
- ASMUNDSON, V. S. Relative influence of the various factors that affect egg production of turkeys during different parts of the first laying year. Jour. Agr. Research [U. S.] 58: 747-754. May 15, 1939.
- ARNON, D. I., and HOAGLAND, D. R. A comparison of water culture and soil as media for crop production. Science 89: 512-514. June 2, 1939.
- ARNON, D. I., and STOUT, P. R. The essentiality of certain elements in minute quantity for plants with special reference to copper. Plant Physiol. 14: 371-375. April 1939.
- BENTLEY, L. S., and WATTS, B. M. Use of stabilizers in unagitated ice creams. Food Research 4: 101-111. Jan.-Feb. 1939. (L. S. Bentley, Univ. Calif.)
- BERGGREN, W. P. Voids in granular materials. Agr. Engin. 20: 233-234. June 1939.
- BIALE, J. B. Transpiration of lemon cuttings with reference to leaf-root relationship. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 250-254. 1939.

---

\*Prepared in Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- BOYCE, A. M., and PERSING, C. O. Cryolite recommended for control of orange tortrix. Citrus Leaves 19: 5, 26. May 1939.
- BOYCE, A. M., and PERSING, C. O. Present recommendations for control of orange tortrix. Calif. Citrograph 24: 276, 312. June 1939.
- CAMERON, S. H. (With G. BORST, Univ. Calif., Los Angeles) Starch in the avocado tree. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 255-258. 1939.
- CHANDLER, W. H. Rolling of leaves on Oriental plum trees, apparently caused by cool summers. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 259-260. 1939.
- CIRIACY-WANTRUP, S. von. Land conservation and social planning. Plan Age 5: 109-119. April 1939.
- CLAYPOOL, L. L. Internal gas in fruits as influenced by external treatments. I. Carbon dioxide. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 374-378. 1939.
- COLE, W. C., and SMITH, F. R. A microscopic technique for studying fat globules in dairy products and other oil in water emulsions. (Abstract) Jour. Dairy Sci. 22:420-421. June 1939.
- CONDIT, I. J. Parthenocarp in the fig. Amer. Soc. Hort. Sci. Proc. v. 36(1938):401-404. 1939.
- CRUESS, W. V. A note on lettuce products. Canner 88: 14. April 15, 1939.
- EVANS, H. M. (With G. A. EMERSON, Univ. Calif.) Growth-stimulating action of ferric chloride-treated wheat germ oil. Soc. Expt. Biol. and Med. Proc. 41: 170-172. May 1939.
- FAWCETT, H. S. Problems of scaly bark in relation to propagation of citrus trees. Citrus Leaves 19: 11-12. April 1939.
- HANNA, G. C. Fertilizer trials with asparagus on peat sediment soil. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 560-561. 1939.
- HANNA, G. C. Yield studies as related to asparagus breeding. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 677-679. 1939.
- HENDERSON, J. L., and ROADHOUSE, C. L. The rate of destruction of vitamin C in milk as an index of the solubility of copper from copper-nickel alloys. (Abstract) Jour. Dairy Sci. 22: 414. June 1939.
- HODGSON, R. W. Girdling to reduce fruit-drop in the Hachiya persimmon. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 405-409. 1939.
- HOWELL, D. E., and CRAIG, R. A small hygrometer. Science 89: 544. June 9, 1939. (D. E. HOWELL, Univ. Calif.)
- HUGHES, E. H. The role of riboflavin and other factors of the vitamin-B complex in the nutrition of the pig. Jour. Nutrition 17: 527-533. June 10, 1939.
- JOHNSTON, C. N. (With O. A. ATKINS, Univ. Calif.) An automatic plant irrigator and recorder. Plant Physiol. 14: 391-393. April 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- JONES, H. A., and HANNA, G. C. A comparison of some asparagus varieties in California. Canner 88: 18, 20-21. April 15, 1939.
- KLEIBER, M., and COLE, H. H. Body size and energy metabolism in growth hormone rats. Amer. Jour. Phys. 125: 747-760. April 1, 1939.
- LANGE, W. H., Jr. Early stages of California plume moths. I. Lepidoptera-Pterophoridae.. Bul. South. Calif. Acad. Sci. 38, pt. 1: 20-26. Jan.-April, 1939.
- LANGE, W. H., Jr. A hitherto unreported noctuid stem borer of corn and globe artichoke in California (Lepidoptera Noctuidae *Emboloecia sauzalitae* Grt.) Calif. Dept. Agr. Bul. 28: 288-290. April 1939.
- LANGE, W. H., Jr. A new plume moth from Arizona (Lepidoptera - Pterophoridae). Bul. South. Calif. Acad. Sci. 38, pt. 1: 26-29. Jan.-April 1939.
- LILLELAND, O., and BROWN, J. G. The potassium nutrition of fruit trees. II. Leaf analyses. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 91-98. 1939.
- MACKIE, W. W. Comparison of methods of fertilizer application on beans - 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 68-75. [1939] Mimeographed.
- MEAD, S. W., and REGAN, W. M. Analyses of dairy herd breeding records. (Abstract) Jour. Dairy Sci. 22: 468-469. June 1939.
- MOLENAAR, A., and PERRY, R. L. Flow of heat through roofs. Agr. Engin. 20: 222-224. June 1939. (A. Molenaar, Univ. Calif.)
- MORGAN, A. F. (With H. D. SIMMS, Univ. Calif.) Adrenal atrophy and senescence produced by a vitamin deficiency. Science 89: 565-566. June 16, 1939.
- MORGAN, A. F. Basic nutrition principles involved in the fortification of foods. (Abstract) Jour. Nutrition 17: 22. June 10, 1939.
- MORGAN, A. F. (With J. B. HENDRICKS, and N. SHIMOTORI, Univ. Calif.) Hypervitaminoses D<sub>2</sub> and D<sub>3</sub> in rats as affected by calcium and phosphorus of the diet. (Abstract) Jour. Biol. Chem. 128: lxxii-lxxiii. June 1939.
- NEWELL, W., and BROWN, A. C. The citrus blackfly - a third pest eradicated from Florida. Citrus Indus. 20: 18-19, 22. April 1939. (A. C. Brown, State Plant Board)
- NICHOLS, P. F., MRAK, E. M., and BETHEL, R. Effect of drying and storage conditions on color and SO<sub>2</sub> retention of dried apricots. Food Research 4: 67-74. Jan.-Feb. 1939. (P. F. Nichols and R. Bethel, Univ. Calif.)
- OEKEY, R. (With V. GREAVES, Univ. Calif.) The production of anemia by cholesterol feeding. (Abstract) Jour. Biol. Chem. 128: lxxvi-lxxvii. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- PROBSTING, E. L., and JACOB, H. E. Some effects of winery distillery waste on soil and plants. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 69-73. 1939.
- REAGAN, W. M., and MEAD, S. W. The effect of changes in environmental temperature on water consumption of producing dairy cows. (Abstract) Jour. Dairy Sci. 22: 472-473. June 1939. (W. M. Reagan, Univ. of Calif.)
- REED, H. S. (With J. V. BECK, Univ. Calif.) The effect of zinc on the growth process. Growth 3: 1-7. April 1939.
- ROADHOUSE, C. L., and HENDERSON, J. L. Rates of corrosion in milk of certain "white-metal" copper alloys and their influence on the flavor of milk. (Abstract) Jour. Dairy Sci. 22: 413-414. June 1939.
- STEWART, M. A. The control of fleas and tropical rat mites. Pests 7: 6-8. May 1939.
- TARASSUK, N. P., and SMITH, F. R. Studies on rancid milk. Relation of surface tension of rancid milk to its acid coagulations. (Abstract) Jour. Dairy Sci. 22: 415-416. June 1939.
- TELFORD, I. R., EMERSON, G. A., and EVANS, H. M. Histological changes in skeletal musculature of paralyzed suckling young of E-low rats. Soc. Expt. Biol. and Med. Proc. 41: 291-295. May 1939. (I. R. Telford and G. A. Emerson, Univ. Calif.)

## Colorado

- BARR, C. G. Application of the ceric sulphate method in the analysis of carbohydrates in the roots of *Lepidium* and *Convolvulus*. Plant Physiol. 14: 285-296. April 1939. (In Coop. with U. S. Dept. Agr.)

## Connecticut (Storrs)

- LANDAUER, W. (With C. A. PFEIFFER, W. U. GARDNER and E. B. MAN, Yale Univ.) Hypercalcification, -calcemia and -lipemia in chickens following administration of estrogens. Soc. Expt. Biol. and Med. Proc. 41: 80-82. May 1939.
- ODLAND, M. L., and PORTER, A. M. Inheritance of the immature fruit color of peppers. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 647-651. 1939.

## Connecticut (State)

- JONES, D. F. Continued inbreeding in maize. Genetics 24: 462-473. July 1939.
- PUCHER, G. W., WAKEMAN, A. J., and VICKERY, H. B. Organic acid metabolism of the buckwheat plant. Plant Physiol. 14:333-340. April 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Connecticut (State) (Continued)

RAPPORT, V. A. Conflict in a New England college town. Social Forces 17: 527-532. May 1939.

The conflict which prevails between college and town groups. Conflict patterns given.

VICKERY, H. B., and PUCHER, G. W. The loss of carbon from excised rhubarb leaves during culture. Jour. Biol. Chem. 128: 685-702. June 1939.

VICKERY, H. B., and PUCHER, G. W. The metabolism of amides in green plants. III. The mechanism of amide synthesis. Jour. Biol. Chem. 128: 703-713. June 1939.

## Delaware

DETJEN, L. R. Physiological drop in apples. Md. State Hort. Soc. Proc. 41(1939): 20-26. 1939.

SCHUSTER, G. L. Fertilizer placement results on sweet potatoes 1937-1938, at Bethel, Delaware. Natl. Joint Com. on Fert. Application Proc. 14 (1938): 90. [1939] Mimeographed.

STEARNS, L. A. Spraying of apples, with special reference to effects on foliage and fruit. Md. State Hort. Soc. Proc. 41(1939): 57-62. 1939.

## Florida

BLACKMON, G. H., and WATKINS, J. V. Crushed pecan shells used in the cutting-bench mixture. South. Forist and Nurseryman 47: 9-10. June 2, 1939.

CAMP, A. F., and PEECH, M. Manganese deficiency in citrus in Florida. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 81-85. 1939.

DICKEY, R. D. (With H. MOWRY, Univ. Fla.) The effect of root-knot upon the subsequent growth of tung-oil (*Alcurites fordii*) seedlings. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 389-392. 1939.

EMMEL, M. W., and SANDERS, D. A. An ictero-hemoglobinuria-like disease in Florida. Jour. Amer. Vet. Med. Assoc. 94: 543-544. May 1939.

EMMEL, M. W. The use of sulfoleum in the treatment of non-parasitic skin diseases. North Amer. Vet. 20:33-34. June 1939.

NETTLES, V. F. Results from several methods of applying fertilizer to certain vegetables. Natl. Joint Com. on Fert. Application Proc. 14(1938): 111-115. [1939] Mimeographed.

NETTLES, V. F. Results from three methods of applying fertilizer to certain vegetables. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 505-508. 1939.

SMITH, F. B. The cycle of organic matter in soils. Florists Exch. 92: 9, 11. May 13, 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Georgia

- COCHRAN, H. L. Root growth and distribution of the perfection pimento (*Capsicum frutescens* var. *Grossum*). (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 567. 1939.
- COWART, F. F. Root distribution and root and top growth of young peach trees. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 145-149. 1939.
- JENKINS, W. A. Controlling the peanut leaf spot. South. Seedsman 2: 4, 17, 19. May 1939.
- SPEIRS, M. The utilization of the calcium in various greens. Jour. Nutrition 17: 557-564. June 10, 1939.
- STACY, S. V., and BLEDSOE, R. P. Fertilizer placement experiment with cotton at Griffin, Georgia, 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 31-33. [1939] Mimeographed.
- WOODARD, O. Fertilizer placement tests on Fordhook lima beans. Natl. Joint Com. on Fert. Application Proc. 14(1938): 67-68. [1939] Mimeographed.

## Hawaii

- DEAN, L. A., and BEAUMONT, J. H. Soils and fertilizers in relation to the yield, growth and composition of the coffee tree. Amer. Soc. Hort. Sci. Proc. v 36(1938): 28-35. 1939.
- MILLER, C. D. Determination of a curve of response to synthetic crystalline thiamin, for use in the vitamin B<sub>1</sub> assay of foods by the rat-growth method. Jour. Nutrition 17: 535-544. June 10, 1939.
- PARRIS, G. K. A new disease of papaya in Hawaii. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 263-265. 1939.
- WADSWORTH, H. A. Effect of temperature upon the moisture-content-surface-force curve of soil. Soil Sci. 47: 473-478. June 1939.
- WADSWORTH, H. A. Rates of temperature changes in soils at various moisture contents. Soil Sci. 47: 467-471. June 1939.
- WELCH, J. E. Performance in Hawaii of tomato strains developed for the southern states. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 701-704. 1939.

## Idaho

- COLWELL, W. E., and BAKER, G. O. Studies of boron deficiency in Idaho soils. Jour. Amer. Soc. Agron. 31: 503-512. June 1939.
- SHAW, A. O., WOODS, E., and ENGLISH, J. O. Vitamin E studies with male rats. (Abstract) Jour. Dairy Sci. 22: 462-463. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Idaho (Continued)

- VERNER, L. The effect of a plant growth substance on crotch angles in young apple trees. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 415-422. 1939.
- VERNER, L. Reduction of cracking in sweet cherries following the use of calcium sprays. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 271-274. 1939.
- WOODBURY, G. W. Effects of certain chemicals on apical dominance and rest period of Russet Burbank potatoes. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 601-604. 1939.

## Illinois

- CORBETT, W. J., and TRACY, P. H. Effect of concentrating milk in the vacuum pan on the development of oxidized flavors. (Abstract) Jour. Dairy Sci. 22: 413. June 1939.
- DORSEY, M. J. Inbreeding experiments with the apple. (Abstract?) Amer. Soc. Hort. Sci. Proc. v. 36(1938) p. 292. 1939.
- DORSEY, M. J. The problem of nomenclature under present-day conditions. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 393-397. 1939.
- FAIRBANKS, B. W. A study by the paired feeding method of the nutritive value of bread made with milk solids. Cereal Chem. 16: 404-414. May 1939.
- HAMILTON, T. S. The growth, activity, and composition of rats fed diets balanced and unbalanced with respect to protein. Jour. Nutrition 17: 565-582. June 10, 1939.
- HAMILTON, T. S. The heat increments of diets balanced and unbalanced with respect to protein. Jour. Nutrition 17: 583-599. June 10, 1939.
- McMUNN, R. L. An evaluation of ninety-six apple varieties at the 21-year period under Illinois conditions. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 379-383. 1939.
- MITCHELL, H. H. Mineral tests in dog foods. Flour and Feed 40: 10-11, 33. June 1939.
- SHIELDS, J. B., MITCHELL, H. H., and RUTH, W. A. The effect of apple constituents on the retention by growing rats of lead contained in spray residues. (Abstract) Jour. Nutrition 17: 17-18. June 10, 1939.
- TRACY, P. H., and CORBETT, W. J. Effect of certain sodium salts upon the curd tension of milk. (Abstract) Jour. Dairy Sci. 22: 411-412. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Indiana

- BURKHOLDER, C. L. Changes in orchard practices in the Mid-west during the past decade. Md. State Hort. Soc. Proc. 41(1939): 8-15. 1939.
- COOK, H. L. The effect of cyanamid and potash, when plowed under with non-leguminous crop residues, on the yield of corn. Natl. Joint Com. on Fert. Application Proc. 14(1938): 41-43. [1939] Mimeographed.
- ELLIS, N. K. Fertilizer placement studies at the Northern Indiana muck crops experimental farm. Natl. Joint Com. on Fert. Application Proc. 14(1938): 83. [1939] Mimeographed.
- ELLIS, N. K. What muck soil teaches about high yields of potatoes. Ind. State Veg. Growers' Assoc. v. 10(1939): 48-50. 1939.
- HARTMAN, J. D., WHITE-STEVENS, R. H., and HOFFMAN, M. B. Phosphorus and nitrogen fertilization for strawberries on Long Island, New York. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 473-476. 1939.
- HARTMAN, J. D., and STAIR, E. C. Soil acidity for greenhouse lettuce and tomatoes. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 715-719. 1939.
- HORRALL, B. E., and EPPLE, W. F. Copper in butter. (Abstract) Jour. Dairy Sci. 22: 426-427. June 1939.
- McCLINTOCK, J. A. The affinity of varieties other than Grimes on Virginia crab stocks. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 131-132. 1939.
- MARSHALL, G. E. Recent studies and trends in codling moth control in Indiana. Ohio State Hort. Soc. Proc. 72(1939): 39-44. 1939.
- MULVEY, R. R. (With G. A. CUMINGS, L. G. SCHOENLEBER, U. S. Dept. Agr.) Fertilizer placement experiment on pasture. Natl. Joint Com. on Fert. Application Proc. 14(1938): 125-127. [1939] Mimeographed.
- MULVEY, R. R. Fertilizer placement for corn and small grain - 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 36-38. [1939]. Mimeographed.
- STAIR, E. C. 1938 greenhouse work with vegetables at Purdue. Ind. State Veg. Growers' Assoc. v. 10(1939): 18-22. 1939.
- WILEMAN, R. H. Pneumatic tractor tire profile studies. Agr. Engin. 20: 231-232. June 1939.

## Iowa

- ALDERMAN, D. C., and LANTZ, H. L. Apple breeding: Inheritance and statistical studies on the fruits of crossbred seedlings with Antonovka parentage. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 279-283. 1939.
- BABEL, F. J., and HAMMER, B. W. Flavor contributors of Swiss-type cheese. Food Research 4: 81-85. Jan.-Feb. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Iowa (Continued)

- BREWER, C. R., and WERKMAN, C. H. Oxidation of citric acid by *Coli-aerogenes* bacteria. Soc. Expt. Biol. and Med. Proc. 41: 185-188. May 1939.
- DICKEY, H. C., ESPE, D., and CANNON, C. Y. The relation of the rate of disappearance of milk curd from the calf's abomasum to the apparent digestibility of its protein. (Abstract) Jour. Dairy Sci. 22: 464-465. June 1939.
- JONES, S. E., and RICHEY, H. W. The use of wax emulsions in reducing desiccation of transplanted tomato plants and apples in storage. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 751-753. 1939.
- LANE, C. B., and HAMMER, B. W. Application of the smear culture technique to the examination of cheddar cheese. (Abstract) Jour. Dairy Sci. 22: 432. June 1939.
- LANE, C. B., and HAMMER, B. W. Relationship of fat hydrolysis to flavor development in cheddar cheese. (Abstract) Jour. Dairy Sci. 22: 432-433. June 1939.
- LUSH, J. L., and ANDERSON, A. L. A genetic history of Poland-China swine. II. "Founders of the breed," prominent individuals, length of generation. Jour. Heredity 30: 219-224. May 1939.
- MANEY, T. J. Effect of different understocks on growth and yield of top-worked apple varieties. Minn. Hort. 67: 103, 113. June 1939.
- MANEY, T. J. Scion rooting on mature double-worked apple stocks. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 143-144. 1939.
- MICKELSON, M. N., and WERKMAN, C. H. Effect of aldehydes and fatty acids as added hydrogen acceptors on the fermentation of glucose by *Acrobacter indologenes*. Jour. Bact. 37: 619-628. June 1939. (M. N. Mickelson, Iowa State Col.)
- WILLIAMS, K. K., CANNON, C. Y., and ESPE, D. Two methods of feeding soybean fat to cows and their effect on milk and butterfat production and on the nature of the butterfat. (Abstract) Jour. Dairy Sci. 22: 442-443. June 1939.

## Kansas

- CAVE, H. W., MARTIN, W. H., and BECK, G. H. The effect of feeding vitamin A and carotene to cows on the flavor of their milk. (Abstract) Jour. Dairy Sci. 22: 457-458. June 1939.
- FLETCHER, E., and DENNIARDT, L. Adequacy of labeling of certain textile fabrics with regard to fiber content. Jour. Agr. Research [U. S.] 58: 895-903. June 15, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Kansas (Continued)

- FOLTZ, V. D., and NELSON, F. E. The development on new standard milk agar of certain organisms of importance to the dairy industry. (Abstract) Jour. Dairy Sci. 22: 422-423. June 1939.
- MARTIN, W. H., NELSON, F. E., and CAULFIELD, W. J. Measuring the quality of ice cream. (Abstract) Jour. Dairy Sci. 22: 418. June 1939.
- NELSON, F. E. The effect of the new standard agar on the plate counts of dairy products. (Abstract) Jour. Dairy Sci. 22: 421-422. June 1939.
- RIDDELL, W. H., ATKESON, F. W., PETERSON, W. J., and THOMPSON, W. W. A field study of the influence of restricted winter rations on the blood calcium, phosphorus and carotene of dairy cattle. (Abstract) Jour. Dairy Sci. 22: 459-460. June 1939.
- SWANSON, C. O. The wheat-meal-time fermentation test. III. Effect of bran, proteases and activators on the "time" of flour. Cereal Chem. 16: 365-376. May 1939.
- WARREN, D. C., and CONRAD, R. M. Growth of the hen's ovum. Jour. Agr. Research [U. S.] 58: 875-893. June 15, 1939.
- WHITNAH, C. H., PETERSON, W. J., CAVE, H. W., and ATKESON, F. W. Some effects of feeding vitamin A and carotene to cows, on the composition of their milk and blood. (Abstract) Jour. Dairy Sci. 22: 457. June 1939.

## Kentucky

- DIMOCK, W. W. Equine breeding hygiene. Jour. Amer. Vet. Med. Assoc. 94: 469-477. May 1939.
- EDWARDS, P. R., and BRUNER, D. W. Reversibility of the alpha and beta phases of Salmonella typhi. Soc. Expt. Biol. and Med. Proc. 41: 223-224. May 1939.
- EMMERT, E. M. Determination of ammonia and amide nitrogen in connection with the chlorate method for nitrogen in plant tissues. Plant Physiol. 14: 341-349. April 1939.
- TURNER, J. D. Dissemination of knowledge of value of feed industry. Flour and Feed 40: 21. June 1939.
- VALLEAU, W. D. Symptoms of yellow ring spot and longevity of the virus in tobacco seed. (Note) Phytopathology 29: 549-551. June 1939.
- WALTMAN, C. S. Phosphate phosphorus and soluble nitrogen changes in living and winter killed peach twigs. Amer. Soc. Hort. Sci. Proc. v. 36(1938); 181-184. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Louisiana

- ANGEL, E. The use of chemicals in rooting raspberry leaf-bud cuttings. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 129-130. 1939.
- KIMBROUGH, W. D. The effect of length of dormant period of seed Irish potatoes on yield. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 590-592. 1939.
- LUSH, R. H. Comparative yields of Louisiana feed and pasture crops. (Abstract) Jour. Dairy Sci. 22: 450-451. June 1939.
- MILLER, J. C. Further studies and technic in sweet potato breeding in Louisiana. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 665-667. 1939.

## Maine

- BAILEY, D. H., and BAILEY, R. M. The relation of the pericarp to tenderness in sweet corn. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 555-559. 1939.
- BAILEY, R. M. Progress in breeding cucumbers resistant to scab (*Cladosporium cucumerinum*). Amer. Soc. Hort. Sci. Proc. v. 36(1938): 645-646. 1939.
- BONDE, R. Bacterial wilt and soft-rot of the potato. Amer. Potato Jour. 16: 109-114. May 1939.
- CHANDLER, F. B. Boron deficiency symptoms in the genus *Brassica*. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 549. 1939.
- CHANDLER, F. B. The effect of lime on the low-bush blueberry. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 477. 1939.
- MURPHY, E. Vitamin C and light. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 498-499. 1939.

## Maryland

- FRAZIER, W. A., and BOWERS, J. L. Varietal, climatic and age influences on daily cracking indices of tomato fruits. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 746. 1939.
- HESSE, C. O., and HITZ, C. W. Maturity studies with Jonathan and Grimes Golden apples. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 351-357. 1939. (C. O. Hesse, U. S. Dept. Agr.)
- HITZ, C. W., and HAUT, I. C. Effect of certain waxing treatments at time of harvest upon the subsequent storage quality of Grimes Golden and Golden Delicious apples. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 440-448. 1939.
- LINCOLN, F. B. Some apple tree stock relationships seen in New England after 1938 hurricane. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 102-109. 1939.
- Same title appears in Md. State Hort. Soc. Proc. 41(1939): 62-66. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Maryland (Continued)

- MAHONEY, C. H. A brief summary of fertilizer placement experiments on vegetable crops for the 1938 season. Natl. Joint Com. on Fert. Application Proc. 14(1938): 116-119. [1939] Mimeographed.
- MAHONEY, C. H. (With J. P. BROWN, Univ. Md., G. A. CUMINGS, W. H. REDIT and D. B. ELDREDGE, U. S. Dept. Agr.) Fertilizer placement tests with tomatoes in Maryland. Natl. Joint Com. on Fert. Application Proc. 14(1938): 91-92. [1939] Mimeographed.
- MAHONEY, C. H., HUNTER, H. A., WHITE, A., CUMINGS, G. A., and SCHOENLEBER, L. G. Fertilizer placement trials with peas grown for canning in Maryland. Natl. Joint Com. on Fert. Application Proc. 14(1938): 83-86. [1939] (H. A. Hunter, Univ. Md.; G. A. Cumings and L. G. Schoenleber, U. S. Dept. Agr.) Mimeographed.
- SCHRADER, A. L. (With M. H. Haller, U. S. Dept. Agr.) A comparison of wetting agents in apple washing. Amer. Soc. Hort. Sci. Proc. v. 36 (1938): 243-246. 1939.
- STIER, H. L., and duBUY, H. G. The influence of certain phytohormone treatments on the time of flowering and fruit production of tomato plants under field conditions. Amer. Soc. Hort. Sci. Proc. v. 36 (1938): 723-731. 1939.
- STIER, H. L. Response of tomato (*Lycopersicum esculentum*, Mill. var. Marglobe) to certain vernalization treatments. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 708-714. 1939.
- VAN HORN, C. W., SCHRADER, A. L., and HAUT, I. C. Root and crown development of strawberries. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 461-465. 1939.

## Massachusetts

- DUNKER, C. F., and FELLERS, C. R. Vitamin C content of spinach. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 500-504. 1939.
- FELLERS, C. R. Health values of pickles and kraut. (Abstract) Canner 88: 14. April 22, 1939.
- KOBREN, A., FELLERS, C. R., and ESSELEN, W. B., Jr. Effect of pectin supplements on avitaminosis A in rats. Soc. Expt. Biol. and Med. Proc. 41: 117-118. May 1939.
- LACHMAN, W. H. A quantitative study of form and size in five varieties of carrots. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 623-625. 1939.
- LEVINE, A. S. Nutrition vs. heredity in determining stature. Growth 3: 53-59. April 1939.
- MITCHELL, H. S. (With G. M. COOK and K. L. O'BRIEN, Mass. State Col.) Comparison of several calcium salts as to their effect upon lactose utilization. (Abstract) Jour. Biol. Chem. 128: lxxi-lxxii. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Massachusetts (Continued)

- SHAW, J. K. Abnormal behavior of newly set Oldenburg buds. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 126-128. 1939.
- SOUTHWICK, L., and SHAW, J. K. Further notes on the malling clonal stocks in relation to McIntosh and Wealthy. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 133-137. 1939.
- SOUTHWICK, L. Relation of seeds to pre-harvest McIntosh drop. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 410-412. 1939.
- VAN ROEKER, H., and CLARKE, M. E. Equine encephalomyelitis virus (eastern type) isolated from ring-necked pheasant. Jour. Amer. Vet. Med. Assoc. 94: 466-468. May 1939.
- WEST, E. A., and SNYDER, C. E. The effect of storage methods on ripening and quality of tomatoes. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 695-700. 1939.

## Michigan

- BESSEY, E. A. Isoplanogametes in Blastoclavia. Mycologia 31: 303-309. May-June 1939.
- COOK, R. L., and DAVIS, J. F. The effect of fertilizer placement on the yield and stand of cannery peas at the Michigan experiment station in 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 87. [1939] Mimeographed.
- COOK, R. L. The effect of fertilizer placement on the yield and stand of sugar beets at the Michigan and Ohio experiment stations in 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 128-129. [1939] Mimeographed.
- COOK, R. L., and DAVIS, J. F. The effect of fertilizer placement on the yield of barley at the Michigan experiment station in 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 53. [1939] Mimeographed.
- COOK, R. L. The effect of fertilizer placement on the yield of herbage in permanent pasture in 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 127-128. [1939] Mimeographed.
- CRIST, J. W. Intraclass correlation for horticultural research. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 347-350. 1939.
- FABIAN, F. W. (With C. F. KRAHL and N. W. LITTLE, Mich. State Col.) The influence of spices on the spoilage of dill pickles. Canner 88: 40. April 15, 1939.
- JOHNSTON, S. The influence of certain root-forming substances in blueberry propagation. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 157. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Michigan (Continued)

- LUCAS, P. S., and GOULD, I. A. Consumer preference for individual chocolate varieties. (Abstract) Jour. Dairy Sci. 22: 418-419. June 1939.
- MALIMANN, W. L. Carbon dioxide research program. Ice and Refrig. 96: 454. June 1939.
- MILLAR, C. E., and DAVIS, J. F. The effect of fertilizer placement on the yield and stand of field beans in 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 136-138. [1939] Mimeographed.
- MILLAR, C. E., COOK, R. L., and DAVIS, J. F. The effect of fertilizer placement on the yield and stand of sugar beets at the Michigan experiment station in 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 129-131. [1939] Mimeographed.
- MOORE, L. A. Relationship between carotene, blindness due to constriction of the optic nerve, papillary edema and nyctalopia in calves. (Abstract) Jour. Nutrition 17: 10. June 10, 1939.
- PARTRIDGE, N. L. A method by which trees may be grown with their roots in two soils. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 77-80. 1939.
- SEATON, H. L., and GRANTHAM, G. M. Effects of fertilizer placement on refugee green beans grown for canning - 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 64-66. [1939] Mimeographed.
- SEATON, H. L., and KREMER, J. C. Factors influencing shape and pollination of cucumbers. Canner 88: 14. April 22, 1939.
- SEATON, H. L., and KREMER, J. C. The influence of climatological factors on anthesis and anther dehiscence in the cultivated cucurbits. A preliminary report. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 627-631. 1939.
- SEATON, H. L., and KREMER, J. C. The relation of certain floral abnormalities to the pollination of Cucurbita. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 626. 1939.
- TROUT, G. M. Correlation between grades on scores and grades on criticisms in the judging of dairy products. (Abstract) Jour. Dairy Sci. 22: 429-430. June 1939.
- TURK, L. M. Effect of certain mineral elements on some microbiological activities in muck soils. Soil Sci. 47: 425-445. June 1939.
- WEIDEMANN, A. G. Fertilizer placement experiments on corn and small grains in Michigan. Natl. Joint Com. on Fert. Application Proc. 14(1938): 48-52. [1939]
- WONG, C. Induced parthenocarpy of watermelon, cucumber and pepper by the use of growth promoting substances. Amer. Soc. Hort. Sci. Proc. v. 36 (1938): 632-636. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Minnesota

- ALLISON, J. L. Studies of monospore cultures of *Septoria bromigena*. (Note) *Phytopathology* 29: 554-556. June 1939.
- COMBS, W. B., and COULTER, S. T. Studies with the rollerless churn. (Abstract) *Jour. Dairy Sci.* 22: 424. June 1939.
- COULTER, S. T., and COMBS, W. B. Laboratory equipment for high temperature pasteurization studies. (Abstract) *Jour. Dairy Sci.* 22: 429. June 1939.
- GILMORE, L. C., PETERSON, W. E., and FITCH, J. B. The inheritance of the condition for a white head in Holstein-Friesian cattle. (Abstract) *Jour. Dairy Sci.* 22: 467-468. June 1939.
- GULLICKSON, T. W., and FOUNTAINE, F. C. The use of various oils and fats for calf feeding. (Abstract) *Jour. Dairy Sci.* 22: 471-472. June 1939.
- HUTCHINS, A. E. Some examples of heterosis in the cucumber, *Cucumis sativus* L. *Amer. Soc. Hort. Sci. Proc.* v. 36(1938): 660-664. 1939.
- JOHNSON, D. W., and PALMER, L. S. Individual and breed variations in pigs on rations devoid of vitamin D. *Jour. Agr. Research [U. S.]* 58: 929-939. June 15, 1939.
- KERNKAMP, M. F. Genetic and environmental factors affecting growth types of *Ustilago zeae*. *Phytopathology* 29: 473-484. June 1939.
- LAUFFER, M. A., and GORTNER, P. A. Electrockinetics. XXI. Electrokinetic theory. Streaming potential and electroosmotic counter effect. *Jour. Phys. Chem.* 43: 721-732. June 1939.
- LONGLEY, L. E. Effect of growth substances and maturity on rooting of cuttings of certain shrubs. *Amer. Soc. Hort. Sci. Proc.* v. 36(1938): 827-830. 1939.
- MERRITT, P. P., and BAILLY, C. H. Absorption-mobility relationships in wheat-flour doughs. *Cereal Chem.* 16: 377-383. May 1939.
- PETERSEN, W. E., SHAW, J. C., and VISSCHER, M. B. Perfusion of the excised mammary gland as a method of studying milk secretion. (Abstract) *Jour. Dairy Sci.* 22: 439-440. June 1939.
- PETERSEN, W. E., and BOYD, W. L. Some factors affecting the reliability of arterio-venous differences in a study of blood precursors of milk. (Abstract) *Jour. Dairy Sci.* 22: 437-438. June 1939.
- RILEY, W. A. The role of insects and allied forms in the transmission of diseases due to filterable viruses. *Minn. Med.* 21: 817-821. Dec. 1938.
- SHAW, J. C. The respiratory quotients of the intact and perfused mammary glands of cows. (Abstract) *Jour. Dairy Sci.* 22: 438-439. June 1939.
- STAMBERG, O. E., and BAILLY, C. H. Observations on the hydrogen-ion concentration of cakes. *Cereal Chem.* 16: 419-423. May 1939.
- STAMBURG, O. E., and BAILLY, C. H. Studies on wheat starch. I. The amylopectin and amylose content of various wheat starches. *Cereal Chem.* 16: 309-319. May 1939.
- STAMBURG, O. E., and BAILLY, C. H. Studies on wheat starch. II. The action of amylases on raw wheat starches. *Cereal Chem.* 16: 319-330. May 1939.
- STAMBURG, O. E., and BAILLY, C. H. Studies on wheat starch. III. The action of amylases on wheat amylopectin and amylose. *Cereal Chem.* 16: 330-335. May 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Mississippi

- ANDERSON, W. S. The influence of nitrogen on grade and shape of Triumph sweetpotatoes in Mississippi. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 605-608. 1939.
- ASHLEY, T. E. A preliminary report on the productiveness of secondary and lateral peach shoots. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 413-414. 1939.
- SIPE, G. R. Vaccinate chicks early. Flour and Feed 40: 43. June 1939.

## Missouri

- ALBRECHT, W. A., GRAHAM, E. R., and FERGUSON, C. E. Plant growth and the breakdown of inorganic soil colloids. Soil Sci. 47: 455-458. June 1939.
- ARBUCKLE, W. S., DECKER, C. W., and REID, W. H. E. The use of the petrographic microscope in studying the different types of lactose crystals as they occur in sandy ice cream. (Abstract) Jour. Dairy Sci. 22: 419. June 1939.
- GIFFORD, W. Utilization on state and county basis. (Abstract) Jour. Dairy Sci. 22: 477-478. June 1939.
- HERMAN, H. A., and RAGSDALE, A. C. Artificial insemination of dairy cows. (Abstract) Jour. Dairy Sci. 22: 466-467. June 1939.
- HERMAN, H. A., and RAGSDALE, A. C. The influence of certain rations and management practices on the rate of growth and production of Holstein-Friesian heifers. (Abstract) Jour. Dairy Sci. 22: 454-455. June 1939.
- HOGAN, A. G. (With E. M. PARROTT, Univ. Mo.) Anemia in chicks due to vitamin deficiency. (Abstract) Jour. Biol. Chem. 128: xlv-xlvii. June 1939.
- HOGAN, A. G. (With L. R. RICHARDSON) An improved synthetic ration for the chick. (Abstract) Jour. Nutrition 17: 16. June 10, 1939.
- HOLST, S., and TURNER, C. W. Lactogen content of the anterior pituitary of growing rabbits and guinea pigs. Soc. Expt. Biol. and Med. Proc. 41: 198-200. May 1939.
- JONES, M. H. Fertilizer placement experiments on corn. Natl. Joint Com. on Fert. Application Proc. 14(1938): 44-46. [1939] Mimeographed.
- MURNEEK, A. E. Further results on the influence of branch ringing on fruit set and size. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 398-400. 1939.
- RALSTON, N. P., TURNER, C. W., and RAGSDALE, A. C. Studies on milk and fat production of dairy cows and goats as influenced by thyroxine. (Abstract) Jour. Dairy Sci. 22: 441-442. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Missouri (Continued)

- REID, W. H. E., ARBUCKLE, W. S., and DECKER, C. W. The use of motion pictures in studying the influence of several factors upon the stability of ice creams and sherbets. (Abstract) Jour. Dairy Sci. 22: 420. June 1939.
- SEARS, E. R. Cytogenetic studies with polyploid species of wheat. I. Chromosomal aberrations in the progeny of a haploid of *Triticum vulgare*. Genetics 24: 509-523. July 1939.
- TURNER, C. W. Recent advances in the endocrinology of milk secretion. (Abstract) Jour. Dairy Sci. 22: 436-437. June 1939.

## Nebraska

- JUDD, B. I., and JACKSON, M. L. Natural succession of vegetation on abandoned farm lands in the Rosobud soil area of western Nebraska. Jour. Amer. Soc. Agron. 31: 541-557. June 1939.
- KIESSELBACH, T. A. Effect of artificial drying upon the germination of seed corn. Jour. Amer. Soc. Agron. 31: 489-496. June 1939.
- LEVERTON, R. M. The copper metabolism of young women. (Abstract) Jour. Nutrition 17: 17. June 10, 1939.
- TYSDAL, H. M., and KIESSELBACH, T. A. The differential response of alfalfa varieties to time of cutting. Jour. Amer. Soc. Agron. 31: 513-519. June 1939. (In Coop. with U. S. Dept. Agr.)
- WIGGANS, C. C. Some results from orchard irrigation in eastern Nebraska. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 74-76. 1939.

## Nevada

- VANTER, L. R., and RECORDS, E. Observations on the stiff lamb problem with special reference to white muscle disease. Jour. Amer. Vet. Med. Assoc. 94: 489-491. May 1939.

## New Hampshire

- HADDOCK, J. L., and BLOOD, P. T. Variations in cooking quality of potatoes as influenced by varieties. Amer. Potato Jour. 16: 126-133. May 1939.
- LATIMER, L. P. Response of Howard 17 strawberry to sodium salts. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 449-454. 1939.
- POTTER, G. F., and FISHER, E. G. Phosphorus and potassium as supplements to nitrogen in sod mulch orchards in New Hampshire. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 41-44. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New Hampshire (Continued)

- PRINCE, F. S. Results of fertilizer application to potatoes in New Hampshire. Natl. Joint Com. on Fert. Application Proc. 14(1938): 59. [1939] Mimeographed.
- TINGLEY, M. A., SMITH, W. W., PHILLIPS, T. G., and POTTER, G. F. Experimental production of winter injury to the trunks of apple trees by applying nitrogenous fertilizers in the autumn. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 177-180. 1939.
- WEEKS, W., and LATIMER, L. P. Incompatibility of early McIntosh and Cortland apples. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 284-286. 1939.

## New Jersey

- BLAIR, A. W., and PRINCE, A. L. Studies on the nitrogen, phosphorus, and mineral requirements of alfalfa. Soil Sci. 47: 459-466. June 1939.
- BLAKE, M. A. Hardy rootstocks for the peach should extend well above the surface of the soil. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 138-140. 1939.
- BOBB, A. C., and BLAKE, M. A. Annual bearing in the Wealthy apple was induced by blossom thinning. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 321-327. 1939.
- CLARK, J. H. Prevalence of certain diseases affecting the foliage in some strawberry progenies. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 455-460. 1939.
- DAVIDSON, O. W., and BIEKART, H. M. Symptoms of boron deficiency in the rose. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 841-844. 1939.
- DAVIDSON, O. W. Symptoms of malnutrition in the peach resulting from various combinations of nutrient deficiencies. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 87-88. 1939.
- FOSTER, J. W., and WAKSMAN, S. A. The specific effect of zinc and other heavy metals on growth and fumaric-acid production by *Rhizopus*. Jour. Bact. 37: 599-617. June 1939.
- HAMILTON, C. C. Methyl bormide used successfully to fumigate plants in soil beds. Hort. Topics 3: 11. June 1939. Mimeographed.
- McCALMONT, J. R., and BESLEY, H. E. Silo pressure and temperatures with corn and grass silage. Agr. Engin. 20: 227-230. June 1939. (J. R. McCalmont, U. S. Dept. Agr.)
- MEADER, E. M., and BLAKE, M. A. Some plant characteristics of the progeny of *Prunus persica* and *Prunus kansuensis* crosses. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 287-291. 1939. (E. M. Meader, U. S. Dept. Agr.)
- SPRAGUE, H. B. Growing grass under trees. Shade Tree 12: 2-3. April 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New Jersey (Continued)

- TIEDJENS, V. A., and SCHERMERHORN, L. G. Classification of tomato varieties according to physiological response. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 737-739. 1939.
- TIEDJENS, V. A., and WALL, M. E. The importance of potassium in the growth of vegetable plants. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 740-743. 1939.
- WADLEIGH, C. H., and SHIVE, J. W. Organic acid content of corn plants as influenced by pH of substrate and form of nitrogen supplied. Amer. Jour. Bot. 26: 244-248. April 1939.
- WEBER, A. L., and McLEAN, H. C. Copper content of some New Jersey grown tomatoes. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 705-707. 1939.
- WHITE, E., and CLARK, J. H. Some results of self-pollination of the highbush blueberry at Whitesbog, New Jersey. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 305-309. 1939.

## New York (Cornell)

- BELSER, W. B., HAUCK, H. M., and STORVICK, C. A. A study of the ascorbic acid intake required to maintain tissue saturation in normal adults. Jour. Nutrition 17: 513-526. June 10, 1939. (W. B. Belser and C. A. Storvick, Cornell Univ.)
- BOYNTON, D. (With W. REUTHER, Cornell Univ.) Seasonal variation of oxygen and carbon dioxide in three different orchard soils during 1938 and its possible significance. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 1-6. 1939.
- BURRELL, A. B. (With R. M. HEINICKE, Cornell Univ.) First progress report on prune drouth spot. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 275-278. 1939.
- CAROLUS, R. L., and LORENZ, O. A. The interrelation of manure, lime, and potash on the growth and maturity of the muskmelon. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 518-522. 1939.
- FRAMPTON, V. L. On the molecular weight of the tobacco-mosaic virus protein. Phytopathology 29: 495-497. June 1939.
- HARDENBURG, E. V. Potato culture and storage investigations in 1937 and 1938. Amer. Potato Jour. 16: 143-150. June 1939.
- HEINICKE, A. J. The influence of sulphur dust on the rate of photosynthesis of an entire apple tree. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 202-204. 1939.
- KNOTT, J. E. The effect of temperature on the photoperiodic response of spinach. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 554. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (Cornell) (Continued)

- KNOTT, J. E. Fertilizer placement for celery on muck. Natl. Joint Com. on Fert. Application Proc. 14(1938): 82. [1939] Mimeographed.
- LEBEDEFF, G. A. A study of intersexuality in *Drosophila virilis*. Genetics 24: 553-586. July 1939.
- MacDANIELS, L. H., and HILDEBRAND, E. M. The effect of copper compounds applied to spur units during bloom upon the set of apple fruits. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 230-233. 1939.
- MORRIS, L. L., and PLATENIUS, H. Low temperature injury to certain vegetables after harvest. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 609-613. 1939. (L. L. Morris, Cornell Univ.)
- NORRIS, L. C. (With C. D. CASKEY) A chronic congenital ataxia and osteodystrophy in chicks due to manganese deficiency. (Abstract) Jour. Nutrition 17: 16-17. June 10, 1939.
- PAUL, H., and McCAY, C. M. The influence of the melting points of fats on their utilization by Herbivora. (Abstract) Jour. Biol. Chem. 128: lxxvii-lxxviii. June 1939. (H. Paul, Cornell Univ.)
- PLATENIUS, H., and MORRIS, L. L. The preservation of fresh vegetables by means of wax emulsions. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 750. 1939.
- SMITH, O. (With L. B. NASH) Relation of mineral nutrition to chemical composition and cooking quality of potatoes. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 597-600. 1939.
- SMITH, S. E., and BOGART, T. The genetics and physiology of lethal anemia in the rat. Genetics 24: 474-493. July 1939.
- THOMPSON, H. C., and SMITH, O. Temperature and photoperiod on seeding and bulbing in the onion. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 559. 1939.
- TYLER, L. J., PARKER, K. G. (With L. L. PECHUMAN, Cornell Univ.) The relation of *Saperda tridentata* to infection of American elm by *Ceratostomella ulmi*. (Note) Phytopathology 29: 547-549. June 1939.
- WHITE-STEVENS, R. H. A cauliflower fertilizer placement experiment on Long Island. Natl. Joint Com. on Fert. Application Proc. 14(1938): 76-81. [1939] Mimeographed.
- WHITE-STEVENS, R. H., and HARTMAN, J. D. Lima bean production in relation to fertilizer placement and seed spacing under Long Island conditions. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 517. 1939. (J. D. Hartman, Purdue Univ.)



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (State)

- BRASE, K. D. Observations on Mazzard and Mahaleb seedlings bench grafted to varieties of sweet and sour cherries. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 110-112. 1939.
- CLARK, A. W. Feed control work in New York. Flour and Feed 40: 18. June 1939.
- CONN, H. J. Hyphenation of English compound names. Science 89: 582-583. June 23, 1939.
- HORSFALL, J. G., HERVEY, G. E. R., and SUIT, R. F. Dwarfing of cucurbits sprayed with bordeaux mixture. Jour. Agr. Research [U. S.] 58: 911-927. June 15, 1939.
- KERTESZ, Z. I. Effect of calcium on canned tomatoes. Canner 88: 14-16. May 20, 1939.
- MARQUARDT, J. C. Standards for rating cheddar cheese. (Abstract) Jour. Dairy Sci. 22: 430-431. June 1939.
- PEDERSON, C. S., MACK, G. L., and ATHAWES, W. L. Vitamin C content of sauerkraut. Food Research 4: 31-45. Jan.-Feb. 1939.
- SAYRE, C. B. A critical review and summary of fertilizer placement experiments with vegetable crops. Natl. Joint Com. on Fert. Application Proc. 14(1938): 60-64. [1939] Mimeographed.
- SAYRE, C. B. Fertilizer placement experiments - vegetable canning crops. Natl. Joint Com. on Fert. Application Proc. 14(1938): 93-95. [1939] Mimeographed.
- SAYRE, C. B. Use of nutrient solutions and hormones in the water for transplanting tomatoes and their effect on earliness and total yields. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 732-736. 1939.
- TUKEY, H. B., and BRASE, K. D. The behavior of Malling apple rootstocks in the nursery. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 113-115. 1939.
- TUKEY, H. B., and EINSET, O. Effect of fruit thinning on size, color, and yield of peaches and on growth and blossoming of the tree. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 314-319. 1939.
- TUKEY, H. B. Fruit development in relation to orchard practice. Ohio State Hort. Soc. Proc. 72(1939): 99-110. 1939.
- TUKEY, H. B. Getting trees off to a good start. Ohio State Hort. Soc. Proc. 72(1939): 67-80. 1939.
- TUKEY, H. B., and YOUNG, J. O. A histological study of the developing fruit of the sour cherry (*Prunus cerasus* L.) (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 269-270. 1939.
- TUKEY, H. B., and BRASE, K. D. Studies of top and root growth of young apple trees in soil and peat-soil mixtures of varying moisture contents. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 18-27. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

## North Carolina

- COLLINS, E. R., and MORRIS, H. D. Results of mechanical application of fertilizer to corn in North Carolina - 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 47. [1939] Mimeographed. (In Coop. with U. S. Dept. Agr.)
- COLLINS, E. R., and MORRIS, H. D. Results of mechanical application of fertilizers to cotton in North Carolina - 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 22-23. [1939] Mimeographed. (In Coop. with U. S. Dept. Agr.)
- COLLINS, E. R. The significance of methods of fertilizer application on cotton as influenced by weather, particularly weather immediately following application. Natl. Joint Com. on Fert. Application Proc. 14(1938): 156-160. [1939] Mimeographed.
- SHERWOOD, F. W., and HALVERSON, J. O. The vitamin G content of some oil press-cake meals and related products. Jour. Agr. Research [U. S.] 58: 787-794. May 15, 1939.

## North Dakota

- JENSEN, C. The lipolytic and proteolytic activities of various penicillia of importance in the ripening of blue cheese. (Abstract) Jour. Dairy Sci. 22: 435. June 1939.
- WALDRON, L. R., and HARRIS, R. H. New varieties of rust resistant wheat. Northwest Miller 198: 4. May 31, 1939.
- YEAGER, A. F., and SCOTT, D. H. Studies of mature asparagus plantings with special reference to sex survival and rooting habits. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 513-514. 1939.

## Ohio

- ALEXANDER, L. J. Recognizing and treating the common greenhouse vegetable diseases and a description of two diseases new to Ohio. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 55-60. 1939.
- BAVER, L. D. The importance of aeration in greenhouse soils. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 64-68. 1939.
- BAVER, L. D. New developments in our knowledge of how plants feed. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 68-73. 1939.
- BRODY, H. W., and CHILDERS, N. F. The effect of dilute liquid lime-sulphur sprays on the photosynthesis of apple leaves. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 205-209. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Ohio (Continued)

- BROWN, H. D., RILEY, O. N., and HOFFMAN, J. C. 1938 variety tests. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 73-77. 1939.
- BROWN, H. D., FITZGERALD, C., and NEUMAN, F. Preserving cider by carbonation. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 371-373. 1939.
- BUSHNELL, J. Fertilizers for early potatoes. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 9-14. 1939.
- BUSHNELL, J. Fertilizers for early tomatoes. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 78-86. 1939.
- BUSHNELL, J. Response of four vegetable crops to phosphate fertilizer in southern Ohio. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 515-517. 1939.
- CARROLL, J. C., and WELTON, F. A. Effect of heavy and late applications of nitrogenous fertilizer on the cold resistance of Kentucky bluegrass. Plant Physiol. 14: 297-308. April 1939.
- CHADWICK, L. C., and KIPLINGER, D. C. The effect of synthetic growth substances on the rooting and subsequent growth of ornamental plants. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 809-816. 1939.
- COMIN, D. Evaluating refrigerating equipment for the cold storage on the farm. Ohio State Hort. Soc. Proc. 72(1939): 88-99. 1939.
- CUTRIGHT, C. R., and VOGEL, M. A. Recent experiments in codling moth control. Ohio State Hort. Soc. Proc. 72(1939): 32-39. 1939.
- DODD, D. R. Fertilizer placement experiments with permanent pasture. Natl. Joint Com. on Fert. Application Proc. 14(1938): 120-124. [1939] Mimeographed.
- EDGINGTON, B. H., KRAUSS, W. E., MONROE, C. F., and HAYDEN, C. C. The effect of ultraviolet radiation of cows on their agglutinin titer for Bangs disease. (Abstract) Jour. Dairy Sci. 22: 444-445. June 1939.
- ELLENWOOD, C. W. Sun coloring of apples. Ohio State Hort. Soc. Proc. 72(1939): 110-118. 1939.
- GUI, H. L. The residue problem in cabbage worm control. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 92-97. 1939.
- HAUCK, C. W. Factors affecting marketability of Ohio potatoes. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 30-34. 1939.
- HAVIS, L. Influence of certain cultural systems upon root distribution of black raspberries. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 478-480. 1939.
- HAVIS, L. Pointers on cultural practices with strawberries and raspberries. Ohio State Hort. Soc. Proc. 72(1939): 63-67. 1939.
- HOFFMAN, I. C. Injuries following greenhouse soil sterilization: causes and control. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 60-64. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Ohio (Continued)

- HOFFMAN, I. C. The minor element problem in Ohio greenhouses. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 51-55. 1939.
- HOFFMAN, I. C. Tomatoes for the greenhouse. Ind. State Veg. Growers' Assoc. v. 10(1939): 8-18. 1939.
- HOFFMAN, I. C. Vegetable gardening in South Carolina. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 134, 136-138. 140, 142. 1939.
- HOWLETT, F. S. Correcting alternate bearing of apples. Ohio State Hort. Soc. Proc. 72(1939): 80-88. 1939.
- KRAUSS, W. E., MONROE, C. F., HAYDEN, C. C., and EDGINGTON, B. H. The effect of ultraviolet radiation on milk production. (Abstract) Jour. Dairy Sci. 22: 440-441. June 1939.
- LAURIE, A. (With J. B. JUEGLEIN, Ohio State Univ.) Biological activity in steam sterilized soils in the greenhouse. Amer. Soc. Hort. Sci. Proc. 36(1938): 837-840. 1939.
- LAURIE, A. (With A. WAGNER, Ohio State Univ.) Gravel and cinder culture of greenhouse flowering plants. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 769-772. 1939.
- LAURIE, A. (With P. F. BOBULA, Ohio State Univ.) A study of flowering rose shoots with reference to flower-bud differentiation. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 767-768. 1939.
- LILL, J. G., SALTER, R. M. (With G. A. CUMINGS and L. A. HURST) The 1938 fertilizer-placement test with sugar beets at Holgate, Ohio. Natl. Joint Com. on Fert. Application Proc. 14(1938): 132-133. [1939] Mimeographed.
- OVERHOLT, V. Supplementary irrigation in the central states. Agr. Engin. 20: 237, 252. June 1939.
- SALTER, R. M. Fertilizer application studies with corn at Wooster, Ohio, 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 39-40. [1939] Mimeographed.
- SALTER, R. M. The significance of methods of fertilizer application on corn as influenced by weather, particularly weather immediately following application. Natl. Joint Com. on Fert. Application Proc. 14(1938): 148-155. [1939] Mimeographed.
- SUTTON, T. S. Anatomical and physiological changes in the pituitary gland in vitamin A deficiency. (Abstract) Jour. Dairy Sci. 22: 458-459. June 1939.
- TUSSING, E. B., SILVER, E. A., and HAUCK, C. W. Damage to Ohio potatoes by digging machinery. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 34-42. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Ohio (Continued)

- WILSON, J. D. New equipment and new materials for controlling vegetable diseases. Ohio Veg. and Potato Growers Assoc. Proc. 24(1939): 110, 112, 114, 116, 118, 120-122, 124, 126, 128-130, 132, 134. 1939.
- YOUNG, H. C. Effect of spray materials on leaf area of apples and cherries. Ohio State Hort. Soc. Proc. 72(1939): 44-48. 1939.

## Oklahoma

- CORDNER, H. B. Curing temperature in relation to storage quality of three varieties of sweet potatoes. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 569-571. 1939.
- CORDNER, H. B. Variation in asparagus in relation to size and shape of plots. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 565-566. 1939.
- GRAY, G. F. Transpiration in strawberries. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 492-494. 1939.
- IRELAND, J. C., and GRAUMANN, E. O. Barley correlation values from six states, comparing chemical values. Cereal Chem. 16: 361-365. May 1939.
- IRELAND, J. C. Seasonal sugar variations in alfalfa. Plant Physiol 14: 381-384. April 1939.
- KUHLMAN, A. H., and GALLUP, W. D. The effect of the ration on butter fat constants. (Abstract) Jour. Dairy Sci. 22: 424. June 1939.
- KUHLMAN, A. H., and GALLUP, W. D. Rickets in calves, a regional problem. (Abstract) Jour. Dairy Sci. 22: 460-461. June 1939.
- ROMSHE, F. A. Growth, production, and fruit quality of tomatoes grown under cloth. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 692-694. 1939.
- WEBSTER, J. E., and CROSS, F. B. Composition of grape leaves in relation to uneven coloring of Concord grapes. (Abstract) Amer. Soc. Hort. Sci. Proc. v. 36(1938): 494. 1939.

## Oregon

- BRANDT, P. M., and EWALT, H. P. Pasture yields as measured by clip plots and by grazing dairy cows. (Abstract) Jour. Dairy Sci. 22: 451-452. June 1939.
- BROWN, G. G. Yields from young apple trees topworked on Arkansas. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 141-142. 1939.
- HAAG, J. R., and WRIGHT, L. D. The lactation-promoting properties of proteins as measured with rats. (Abstract) Jour. Dairy Sci. 22: 435-436. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Oregon (Continued)

- HANSEN, E. The effect of ethylene on pectic changes in ripening fruits. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 427-428. 1939.
- JONES, I. R., and HAAG, J. R. Studies with alfalfa hay for milk production. (Abstract) Jour. Dairy Sci. 22: 449-450. June 1939.
- SCHUSTER, C. E., McWHORTER, O. T., and STEPHENSON, R. E. Response of fruit trees near the Dalles, Oregon, to applications of boron and zinc. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 99-101. 1939. (In Coop. with U. S. Dept. Agr.)
- SHAW, J. N., and SEGHETTI, L. Caseous lymphadenitis in milk goats. North Amer. Vet. 20: 39-40. May 1939.
- SHAW, J. N., and HOWARTH, C. R. Immunity to salmon poisoning follows treatment of affected dogs with sulfanilamide. North Amer. Vet. 20: 67-68. May 1939.
- SPIELMAN, A., and JONES, I. R. The inheritance of fertility in dairy cattle (Abstract) Jour. Dairy Sci. 22: 468. June 1939. (A. Spielman, Oreg. State Col.)
- STOUT, R. E., and WILSTER, G. H. Some observations on the iodine, Reichert-Meissl and Polenske values of milk fat produced during the winter in three sections of Oregon. (Abstract) Jour. Dairy Sci. 22: 424-425. June 1939. (R. E. Stout, Oreg. State Col.)
- WIEGAND, E. H. (With C. E. NORTON and D. J. PENTZER, Oreg. State Col.) Investigations of the cracking problem in brining of sweet cherries. Food Research 4: 93-100. Jan.-Feb. 1939.
- WILSTER, G. H. (With R. W. STEIN and R. E. STOUT, Oreg. State Col.) A preliminary report on investigations to overcome crumbly and sticky texture in butter made during the winter in the irrigated sections of eastern and southern Oregon. (Abstract) Jour. Dairy Sci. 22: 425-426. June 1939.

## Pennsylvania

- ANTHONY, R. D. The influence of cultural and environmental conditions on the content of organic matter in orchard soils. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 13-17. 1939.
- BEAM, A. L., McLEAREN, C. S., and BORLAND, A. A. Increasing production in institutional herds. (Abstract) Jour. Dairy Sci. 22: 469-471. June 1939.
- BECHDEL, S. I., WILLIAMS, P. S., BORLAND, A. A., and SHIGLEY, J. F. Results of a long time feeding experiment on bone meal vs. no bone meal in a dairy ration consisting of timothy hay, corn silage, and concentrates. (Abstract) Jour. Dairy Sci. 22: 447-448. June 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Pennsylvania (Continued)

- CLYDE, A. W. Improvement of disk tools. Agr. Engin. 20: 215-221. June 1939.
- FORBES, E. B., BRATZLER, J. W., and THACKER, E. J. Dynamic effects of nutrients, singly and in combination. (Abstract) Jour. Nutrition 17: 18. June 10, 1939.
- KRISS, M. The specific dynamic effects of glycine, alanine and glutamic acid. (Abstract) Jour. Nutrition: 17: 19. June 10, 1939.
- MACK, W. B. Yields of different crops with granular and powdered 4-12-4 fertilizer. Natl. Joint Com. on Fert. Application Proc. 14(1938): 110. [1939] Mimeographed.
- MILLER, R. C., and ZIEGLER, P. T. Salt content of cured ham. Food Research 4: 55-65. Jan.-Feb. 1939.
- REID, J. J., FARRELL, M. A., and HALEY, D. E. Bacterial leaf-spot diseases. Science 89: 566-567. June 16, 1939.
- THOMAS, W., and MACK, W. B. Foliar diagnosis: nutritional differences affecting the yields of potatoes from similarly treated plots. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 573-589. 1939.
- WARD, R. E., and BECHDEL, S. I. Vitamin A and carotene in relation to growth and well being of heifers. (Abstract) Jour. Dairy Sci. 22: 455-456. June 1939.

## Puerto Rico

- WOLCOTT, G. N. A parasite of the Puerto Rican mole-cricket. Science 89: 508-509. June 2, 1939.

## Rhode Island

- CHRISTOPHER, E. P. Carbon dioxide assimilation of apple leaves on "thin" and "thick" wood. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 247-249. 1939.
- CRANDALL, F. K., and ODLAND, T. E. The response of early celery to fertilizer ingredients. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 523-525. 1939.
- DeFRANCE, J. A. The effect of different fertilizer ratios on Colonial, Creeping, and Velvet bent grasses. Amer. Soc. Hort. Sci. Proc. v. 36 (1938): 773-780. 1939.
- DeFRANCE, J. A. Effect of synthetic growth substances on various types of cuttings of *Arctostaphylos uva-ursi*. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 800-806. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Rhode Island (Continued)

- DeFRANCE, J. A. Propagation of *Sciadopitys verticillata* with root-inducing substances. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 807-808. 1939.
- DELAPLANE, J. P., and STUART, H. O. Use of iodine for gapeworms in pheasants. Jour. Amer. Vet. Med. Assoc. 94: 538. May 1939.
- SHUTAK, V. G., and CHRISTOPHER, E. P. The influence of Bordeaux spray on the growth and yield of tomato plants. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 747-749. 1939.
- STENE, A. E. Some observations on the propagation of the high-bush blueberry. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 158-160. 1939.

## South Carolina

- EDMOND, J. B., and SEFICK, H. J. A description of certain nutrient deficiency symptoms of the Porto Rico sweetpotato. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 544-549. 1939. (H. J. Sefick, Rutgers Univ.)
- KILLINGER, G. B., and COOPER, H. P. Cooperative fertilizer placement experiment with cotton at the South Carolina experiment station - 1938. Natl. Joint Com. on Fert. Application Proc. 14(1938): 29-30. [1939] Mimeographed.
- MILLER, P. G., and ANDERSON, G. W. The effect of sulfanilamide therapy upon the catalase activity of the blood and milk. (Abstract) Jour. Dairy Sci. 22: 444. June 1939.
- PATRICK, C. S., NUTT, G. B., JONES, R. H., and HALL, E. E. Comparison of one-row horse-drawn combination cotton planters and fertilizer distributors. Natl. Joint Com. on Fert. Application Proc. 14(1938): 143-147. [1939] Mimeographed.
- SCOTT, L. E. Response of peach trees to potassium and phosphorus fertilizers in the Sandhill area of the Southeast. Amer. Soc. Hort. Sci. Proc. v. 36 (1938): 56-60. 1939.
- WISE, G. H. Factors affecting the reactions of the esophageal groove of dairy calves. (Abstract) Jour. Dairy Sci. 22: 465. June 1939.

## South Dakota

- JACOBSEN, D. H. The influence of various factors on the reliability of the room temperature holding test for butter quality. (Abstract) Jour. Dairy Sci. 22: 428. June 1939.
- WALLIS, G. C. Further studies on the vitamin D deficiency of mature dairy cows. (Abstract) Jour. Dairy Sci. 22: 461-462. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## South Dakota (Continued)

- WALLIS, G. C., OLSON, T. M., and EVANS, T. A. The influence of fineness of grinding on the digestion coefficients of oats for dairy cows. (Abstract) Jour. Dairy Sci. 22: 472. June 1939.

## Tennessee

- BUTLER, H. F. Tomato importations for breeding. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 674-676. 1939.
- DRAIN, B. D. Red raspberry breeding for southern adaptation. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 302-304. 1939.
- MARCOVITCH, S. Spray residues and human health. Tenn. State Hort. Soc. Proc. 33(1937): 84-88. [1938]
- STANLEY, W. W., and MARCOVITCH, S. Control of tomato fruit worm. Tenn. State Hort. Soc. Proc. 33(1937): 77-78. [1938]
- STANLEY, W. W. Control of tomato fruit worm by use of cottonseed meal containing 10 percent cryolite. Tenn. State Hort. Soc. Proc. 33(1937): 73-77. [1938]

## Texas

- FLOYD, W. W., and FRAPS, G. S. Vitamin C content of some Texas fruits and vegetables. Food Research 4: 87-91. Jan.-Feb. 1939. (W. W. Floyd, Sam Houston State Teachers Col.)
- FRAPS, G. S. Revolution of control work [feed control]. Flour and Feed 40: 20. June 1939.
- FRAPS, G. S., and CARLYLE, E. C. Utilization of food energy. Flour and Feed 40: 41. June 1939.
- FULLER, F. D. Thirty-four years of feed inspection. Flour and Feed 40: 12-13, 42-43. June 1939.
- GREATHOUSE, G. A. Alkaloids from Sanguinaria canadensis and their influence on growth of Phymatotrichum omnivorum. Plant Physiol. 14: 377-380. April 1939.
- HAWTHORN, L. R. Behavior of certain characters in breeding yellow Bermuda onions. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 668-673. 1939.
- HENSEL, R. L. Coastal soil grows variety of grasses. Coastal Cattleman 5: 14-15. June 1939.
- KARPER, R. E. Experiments determine best coastal sorghums. Coastal Cattleman 5: 30-31. June 1939.
- MANGELSDORF, P. C. Rust resistant wheat and oats developed. Coastal Cattleman 5: 16. June 1939.
- MORTENSEN, E. Nursery tests with grape rootstocks. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 153-157. 1939.
- REYNOLDS, E. B. Agricultural possibilities of the Gulf Coast region. Coastal Cattleman 5: 8-10. June 1939.
- SCHMIDT, H. New laboratory well equipped to fight diseases. Coastal Cattleman 5: 7. June 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Texas (Continued)

- SMITH, H. P. Effect of machine placement versus soil disturbance on cotton. Natl. Joint Com. on Fert. Application Proc. 14(1938): 34-35. [1939] Mimeographed.
- SMITH, H. P. New machinery developments needed in southern agriculture. Agr. Engin. 20: 235-236. June 1939.
- STANSEL, R. H. Angleton experiment station has interesting history over thirty year period. Coastal Cattleman 5: 5-6. June 1939.
- STANSEL, R. H. Proper mowing doubles capacity of pastures. Coastal Cattleman 5: 14. June 1939.
- THOMAS, F. L. Cotton insect survey reports begin. Acco Press 17: 9. May 1939.
- YARNELL, S. H. Improving tomatoes for the South. South. Seedsman 2: 5, 20. May 1939.

## Utah

- KNOWLTON, G. F., and ALLEN, M. W. Aphids of the genus *Kakimia* infesting *Ribes* (Homoptera). Ent. News 50: 166-170. June 1939.

## Vermont

- CAMBURN, O. M., ELLENBERGER, H. B., and CROOKS, G. C. Carotene changes in natural cured, artificially dried and ensiled roughages. (Abstract) Jour. Dairy Sci. 22: 456-457. June 1939.

## Virginia

- ANDERSON, L. D., and WALKER, H. G. Potato spraying in eastern Virginia in 1938. Amer. Potato Jour. 16: 114-120. May 1939. (Va. Truck)
- BOBB, M. L. The use of bates in oriental fruit moth control. Md. State Hort. Soc. Proc. 41(1939): 15-20. 1939.
- PARKER, M. M., and OLIVER, R. C. The effect of fertilizer placement, as influenced by soil moisture, on seed germination. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 533-536. 1939. (Va. Truck)
- PARKER, M. M. The effect of soil moisture in determining the efficiency of fertilizer placement. Natl. Joint Com. on Fert. Application Proc. 14(1938): 167-173. [1939] Mimeographed. (Va. Truck)
- PARKER, M. M., and OLIVER, R. C. Experiments conducted at the Virginia Truck experiment station. Natl. Joint Com. on Fert. Application Proc. 14(1938): 97-109. [1939] Mimeographed. (Va. Truck)
- ZIMMERLEY, H. H. Discussion of machine fertilizer placement experiments with vegetable crops in Virginia. Natl. Joint Com. on Fert. Application Proc. 14(1938): 95-97. [1939] Mimeographed. (Va. Truck)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Washington

- BENDIXEN, H. A.    Acid values and acid ratios as related to the keeping quality of salted butter. (Abstract) Jour. Dairy Sci. 22: 427-428. June 1939.
- BURN, E. F. (With H. L. CARVER, Wash. State Col.)    Further studies of vegetable plant growth as affected by the position of the hotbed heating cable. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 562-564. 1939.
- CLORE, W. J., OVERHOLSER, E. L., and WOOTEN, L. B.    Plum variety trials in central Washington. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 384-388. 1939.
- FISCHER, G. W.    Studies of the susceptibility of forage grasses to cereal smut fungi. II. A preliminary report on *Ustilago hordei* and *U. nigra*. Phytopathology 29: 490-494. June 1939. (In Coop. with U. S. Dept. Agr.)
- GOLDING, N. S.    Further studies on the gas requirements of three strains of blue mold (*Penicillium roqueforti* group) isolated from cheese. (Abstract) Jour. Dairy Sci. 22: 434-435. June 1939.
- HODGSON, R. E., and KNOTT, J. C.    The chemical composition and nutrient yield of pasture grass grazed at successive intervals during the season. (Abstract) Jour. Dairy Sci. 22: 452-453. June 1939.
- HODGSON, R. E., and KNOTT, J. C.    The nutritive value of an alfalfa hay ration compared with a mixed grass and legume hay and grass silage ration for dairy cattle. (Abstract) Jour. Dairy Sci. 22: 448-449. June 1939.
- PROUTY, C. C.    Observations on the growth responses of *S. lactis* in mastitis milk. (Abstract) Jour. Dairy Sci. 22: 431. June 1939.

West Virginia

- BROWN, D. C.    A preliminary report on a study of the nutrient level of orchard soils in the eastern panhandle of West Virginia and its relation to tree condition and productivity. Amer. Soc. Hort. Sci. Proc. v. 36 (1938): 45-48. 1939.
- BROWN, D. S., and SUDDS, R. H.    The removal of soot, deposited by smoke from industrial sources, on apples grown in the bottomlands along the Ohio River in the northern panhandle of West Virginia. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 234-238. 1939.
- MARSH, R. S.    Adjusting fruit varieties and numbers of trees. Md. State Hort. Soc. Proc. 41(1939): 3-7. 1939.
- SUDDS, R. H., and Marsh, R. S.    Some results and suggestions regarding the use of calcium cyanamid on apples. Amer. Soc. Hort. Sci. Proc. v. 36 (1938): 36-40. 1939.
- YERKES, G. E., and SUDDS, R. H.    Influence of the stocks on the performance of certain apple varieties. Amer. Soc. Hort. Sci. Proc. v. 36(1938): 116-120. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Wisconsin

- ALLEN, T. C., and RIEMAN, G. H. Occurrence of hopperburn resistance and susceptibility in the potato. *Amer. Potato Jour.* 16: 139-142. June 1939.
- COLE, L. J., and HOLLANDER, W. F. The inheritance of silky plumage in the domestic pigeon. *Jour. Heredity* 30: 197-201. May 1939.
- ELVEHJEM, C. A. (With H. A. WAISMAN and A. E. AXELROD) Nicotinic acid: its distribution, function and relation to the other members of the B complex. (Abstract) *Jour. Nutrition* 17: 11. June 10, 1939.
- ENGEL, R. W., and PHILLIPS, P. H. Chemical and histologic studies of fatty livers produced in thiamine therapy of experimental vitamin B<sub>1</sub> deficiency. (Abstract) *Jour. Biol. Chem.* 128: xxv. June 1939. (R. W. Engel, Univ. Wis.)
- FROST, D. V., and ELVEHJEM, C. A. The rôle of iron, copper, and cobalt in hemoglobin production in dogs on a milk diet. (Abstract) *Jour. Biol. Chem.* 128: xxxi-xxxii. June 1939.
- HART, E. B., BOHSTEDT, G., DEOBALD, H. J., and WAGNER, M. I. Are urea and other simple nitrogen compounds useful in dairy cattle feeding? (Abstract) *Jour. Dairy Sci.* 22: 463-464. June 1939.
- JOHNSON, J. Studies on the nature of brown root rot of tobacco and other plants. *Jour. Agr. Research [U. S.]* 58: 843-863. June 1, 1939. (In Coop. with U. S. Dept. Agr.)
- McKIBBIN, J. M., OLESON, J. J., ELVEHJEM, C. A., and HART, E. B. Use of liver extract in place of yeast in low fat diets. *Soc. Expt. Biol. and Med. Proc.* 41: 25-29. May 1939.
- MUSBACH, F. L. Fertilizer placement experiments with canning peas in 1938. *Natl. Joint Com. on Fert. Application Proc.* 14(1938): 88-89. [1939] Mimeogr.
- PARSONS, H. T. (With A. L. MARLATT, D. JOHNSON, and C. GRAY) The effect of heat and hydration on the nutritive value of soy bean proteins. (Abstract) *Jour. Nutrition* 17: 14-15. June 10, 1939.
- PHELPS, A. S., JOHNSON, H. J., and PETERSON, W. H. CO<sub>2</sub> utilization during the dissimilation of glycerol by the propionic acid bacteria. *Biochem. Jour.* 33: 726-728. May 1939.
- SCHNEIDER, H., and STEENBOCK, H. Low phosphorus diets and urinary lithiasis. (Abstract) *Jour. Biol. Chem.* 128: lxxxvii. June 1939.
- SNELL, E. E., and PETERSON, W. H. Properties of a new growth factor for lactic acid bacteria. (Abstract) *Jour. Biol. Chem.* 128: xciv-xcv. June 1939. (E. E. Snell, Univ. Wis.)
- WILSON, P. W., and FRED, E. B. The carbohydrate-nitrogen relation in legume symbiosis. *Jour. Amer. Soc. Agron.* 31: 497-502. June 1939.

Wyoming

- BEATH, O. A., GILBERT, C. S., and EPPSON, H. F. The use of indicator plants in locating seleniferous areas in western United States. I. General. *Amer. Jour. Bot.* 26: 257-269. April 1939.
- BRADLEY, W. B., EPPSON, H. F., and BEATH, O. A. Nitrate as the cause of oat hay poisoning. *Jour. Amer. Vet. Med. Assoc.* 94: 541-542. May 1939.



NOTES ON PERIODICALS

## New, Changed and Discontinued

- Agricultura e pecuaria, propriedade da Revista das estradas de ferro. Rua da Quitanda, 188. Rio de Janeiro, Brasil. mo. 4<sup>o</sup> il. no. 180, Mar. 1938.
- Association of dairy, food, and drug officials of the United States. Quarterly bulletin. Name of association changed to Association of food and drug officials of the United States with v. 3, no. 1, Jan. 1939.
- Československá akademie zemědělská, Prague. Sborník... Annals of the Czechoslovak academy of agriculture. Changed to Česká akademie zemědělská, Prague. Sborník... Annals of the Czech academy of agriculture, with ročník 14, sesit 1, Apr. 24, 1939.
- Cooperative journal. Richmond, Va. Ceased with v. 13, no. 1, Jan./Feb. 1939. (Mimeographed bulletins will be published and mailed to members and their affiliates from time to time. The annual Bluebook of the National cooperative council will be continued)
- Der Düngemarkt; beratungs- u. fachorgan des deutschen düngerhandels. Allgemeiner Industrie-Verlag Knorre & Co. K.-G., Berlin, SW 68, Ritterstr. 62. mo. 8<sup>o</sup> il. jahrg. 1, hft. 1, Jan. 1939. Neue folge des 35. jahrganges von Kunstdünger und leim. Rm 4.
- Economic notes; a journal of opinion. Brown, Prior, Anderson Pty. Ltd., 430 Little Bourke St., Melbourne, C. 1. irreg.? 4<sup>o</sup> no. 5, Oct. 1938. Issued by Victorian branch of the Economic society of Australia and New Zealand, and the Faculty of commerce, University of Melbourne. No price given.
- Indian chemical society. Journal. Industrial & news edition. Calcutta. Published under the joint auspices of the Indian chemical society and the Institution of chemists (India). quarterly? 4<sup>o</sup> v. 1, no. 1/2, 1938. Annual subscrp. for Fellows, Re.1/-; for regular subscriber of the main Journal, Rs. 2/-; for associate members, Rs. 3/-; for others, Rs.12/-.
- The Kernel, incorporating National nut news [National nut news ceased in 1934 and is now revived]. Baldwin Publications, Inc., 253 South Park St., Decatur, Ill. mo. 4<sup>o</sup> il. v. 2, no. 2/3, Dec. 1938/Jan. 1939. One year, \$1.00; 3 years, \$2.00.
- Kunstdünger und leim. Berlin. Discontinued with jahrg. 35, hft. 12, Dec. 1938. Succeeded by Der Düngemarkt Jan. 1939.
- Lake district berry culture. Duluth, Minn. Changed to Lake district horticulturist with v. 2, no. 2, June 1938.
- National farm holiday news. Minneapolis. Ceased with v. 2, no. 8 [i.e.no. 9], Dec. 31, 1937.
- New Zealand institute of horticulture. Journal. Wellington, N. Z. Changed to Royal New Zealand institute of horticulture. Journal, with v. 8, no. 4, Mar. 1939.
- Der Österreichische tierarzt. Wien. Ceased with jahrg. 11, 1938. Absorbed by Tierärztliche rundschau, Wittenberge, Jan. 1939.
- Percheron news; the official publication of the Percheron horse association of America. 9 Dexter Park Avenue, Union Stock Yards, Chicago, Ill. quar. f<sup>o</sup> il. v. 1, no. 1, Jan. 1939. \$1.00 a year.
- Sisal review and industrial fibres survey. London. Changed to Industrial fibres review with v. 3, no. 4, Apr. 1939.

NOTES ON PERIODICALS

New, Changed and Discontinued  
(continued)

- Studia botanica čechica*, published by Kruh mladých botaniků (formerly *Studia botanica čechoslovaca*, published by Kruh mladých československých botaniků) Correspondence should be addressed to the editor, Doc. Dr. Alfred Hilitzer, Praha-Dejvice, Nová technika; payments to Dr. Ivan Klasterský, Národní museum, Praha-Troja 129. quar. 8° il. v. 1, fasc. 1, 1938. 10 shillings per annum.
- Sudetendeutsche forst- und jagdzeitung*. Bodenbach a. d. Elbe, Flurenstrasse 948. mo. il. f° jahrg. 38, no. 2, Feb. 1, 1938. 12 RM.
- Zadružni pčelar...* [Bee husbandry] Organ Glavne zemoradnickke pčelarske zadruge. Poshtanski Fakh 25, Belgrade, Yugoslavia. [mo.] 8° il. year 3, no. 1, Jan. 1939.
- Zeitschrift für die zuckerindustrie der Cecho-slovakischen republik*. Praha. Discontinued with jahrg. 63, nr. 27, Mar. 10, 1939. Merged in *Listy cukrovarnické*.

-o-o-o-o-o-o-o-o-o-o-o-o-o-

CONGRESSES

- Association des chimistes et ingénieurs. Congrès de Paris, Lundi 26 Juin 1939. Le Secrétaire adjoint: J-B. Eloire, 156 Boulevard de Magenta, Paris.
- Congrès international d'arboriculture fruitière. Liege, 29 Septembre-3 Octobre 1939. Secrétariat Général: A. Lecrenier, Institut Agronomique, Gembloux, Belgique.
- Third international congress on agricultural engineering, Rome, Italy, September 20-23, 1939. Organizing Committee, C/o F.I.T.A., Via Regina Elena, 86, Rome, Italy.
- Third international forestry congress in Helsinki, 1940. The Organizing Committee: Unioninkatu 40, Helsinki I, Finland.
- Fifth conference of the Pan-Pacific Women's Association, Wellington, New Zealand January, 1940.
- Interim conferences in the United States: Mills College, Oakland, California, June 28-29, in conjunction with the annual Institute of International Relations, June 20-30; Barnard College, New York City, August 22-24. Chairman, Mills College program: Mrs. June Richardson Lucas, 2449 Pacific Avenue, San Francisco; Barnard College program: Miss Lilian Randall, 419 West 34th Street, New York City.

-o-o-o-o-o-o-o-o-o-o-o-o-o-

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1939\*

## California

- ASMUNDSON, V. S., and JUKES, T. H. Turkey production in California. (Calif. Agr. Col. Ext. Circ. 110.) Berkeley, 1939.  
SCHOONOVER, W. R., and others. Protection of orchards against frost. (Calif. Agr. Col. Ext. Circ. 111.) Berkeley, 1939.

## Connecticut

- The Extension service in Connecticut, 1913-1938. Conn. State Col. Ext. [1939] Storrs.

## Delaware

- McCUE, C. A. Better rural life in Delaware: A report of the work of the University of Delaware Agricultural extension service, December 1, 1937-November 30, 1938. (Del. Univ. Agr. Ext. Bul. 30.) Newark, 1939.  
RICHARDSON, H. L. Producing and marketing good eggs. (Del. Univ. Agr. Ext. Bul. 31.) Newark, 1939.

## Georgia

- LANIER, KATHERINE Food preparation for 4-H club girls, second year. (Ga. Agr. Col. Ext. Circ. 278.) Athens, 1939.  
RAGSDALE, E. Fruits for home orchards in Georgia. (Ga. Agr. Col. Ext. Circ. 278 [i. e. 279]) Athens, 1939. Mimeographed.

## Hawaii

- TOWER, B. A. A wire-floored back-yard poultry house for 50 hens. (Hawaii Univ. Agr. Ext. Circ. 6.) Honolulu, 1939. Mimeographed.  
GANTT, P. A. Hog house construction. (Hawaii Univ. Agr. Ext. Circ. 7.) Honolulu, 1939. Mimeographed.

## Illinois

- FLINT, W. P., and ANDERSON, H. W. Directions for spraying fruits in Illinois. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 492.) Urbana, 1939.  
LEHMANN, E. W., and PITZEN, T. A. Farm drainage: Its maintenance and construction. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 493.) Urbana, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1939  
(Continued)

## Kentucky

- BURNAM, ANITA, and LACY, EDITH Canning project for 4-H clubs, units I, II, III and IV. (Ky. Agr. Col. Ext. Circ. 181, rev.) Lexington, 1939.  
ROBERTS, G. Soil management for Kentucky. (Ky. Agr. Col. Ext. Circ. 272, 2d ed., rev.) Lexington, 1939.  
CATON, S. Culling farm poultry. (Ky. Agr. Col. Ext. Circ. 330.) Lexington, 1939.  
BRYANT, T. R. Annual report of the Extension director for the year ended December 31, 1938. (Ky. Agr. Col. Ext. Circ. 332.) Lexington, 1939.

## Louisiana

- BATEMAN, J. W. Annual report Agricultural extension work in Louisiana for the year 1938. La. Agr. Col. Ext. [1939] University.

## Maine

- WARREN, G. F., jr. The home garden in Maine. (Maine Agr. Col. Ext. Bul. 262.) Orono, 1939.  
REED, F. D. Stepping stones to poultry profits: Step the seventh, feed good rations. (Maine Agr. Col. Ext. Circ. 129.) Orono, 1939.  
REED, F. D. Stepping stones to poultry profits, step the eighth: House when ready to lay. (Maine Agr. Col. Ext. Circ. 130.) Orono, 1939.

## Massachusetts

- SHAW, J. K. How to prune bearing apple trees. (Mass. State Col. Ext. Leaflet 10, rev.) Amherst, 1939.  
BOURNE, A. I. Control of plant lice or aphids. (Mass. State Col. Ext. Leaflet 31, rev.) Amherst, 1939.  
SHAW, J. K. Establishing apple orchards. (Mass. State Col. Ext. Leaflet 182, rev.) Amherst, 1939.

## Michigan

- BIRD, OLGA 4-H food preparation, breakfast, project I. (Mich. State Col. Ext. Club Bul. 30, rev.) East Lansing, 1939.  
BIRD, OLGA Food preparation, luncheon and supper, project II. (Mich. State Col. Ext. Club Bul. 30A, rev.) East Lansing, 1939.  
PEARSON, N., and others. 4-H sheep club manual. (Mich. State Col. Ext. Club Bul. 38.) East Lansing, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1939

## Michigan (Continued)

Home canning. (Mich. State Col. Ext. Bul. 132, rev.) East Lansing, 1939.  
HUDSON, R. S. Guides for horse buyers. (Mich. State Col. Ext. Bul. 197.)  
East Lansing, 1939.

## Minnesota

ZAVORAL, H. G. Hog health makes wealth. (Minn. Univ. Agr. Ext. Bul. 119, rev.) University Farm, St. Paul, 1939.  
McNULTY, J. B. Farm tenancy and leasing. (Minn. Univ. Agr. Ext. Bul. 188.) University Farm, St. Paul, 1938.  
COOKE, CORA Brooder houses. (Minn. Univ. Agr. Ext. Bul. 198.) University Farm, St. Paul, 1939.  
WINTER, J. D., and NOBLE, ISABEL Frozen fruits and vegetables for home use. (Minn. Univ. Agr. Ext. Bul. 200.) University Farm, St. Paul, 1939.  
ZAVORAL, H. G. Control hog lice and mange. (Minn. Univ. Agr. Ext. Folder 46 [rev.]) University Farm, St. Paul, 1939.  
RUGGLES, A. G., and AMODT, T. L. Grasshopper control. (Minn. Univ. Agr. Ext. Folder 67, rev.) University Farm, St. Paul, 1939.  
JOHNSON, D. W. Livestock weights from measurements: The Minnesota method. (Minn. Univ. Agr. Ext. Folder 70.) University Farm, St. Paul, 1939.  
SEARLES, H. R. Hay-crop silages. (Minn. Univ. Agr. Ext. Folder 72.) University Farm, St. Paul, 1939.  
PARTEN, H. L. Controlling pocket gophers. (Minn. Univ. Agr. Ext. Folder 75.) University Farm, St. Paul, 1939.  
SCHENCK, MILDRED, and others. Second year clothing project. (Minn. Univ. Agr. Ext. 4-H Bul. 5, reprinted [i.e. rev.]) University Farm, St. Paul, 1939.  
SONTAG, MAY and others. Fifth year clothing project. (Minn. Univ. Agr. Ext. 4-H Bul. 21.) University Farm, St. Paul, 1939.  
THORFINNSEN, M. A. Soil erosion in Minnesota. (Minn. Univ. Agr. Ext. Pamphlet 58.) University Farm, St. Paul, 1939.  
BROOKINS, W. W. Quality production of barley; market quality program. (Minn. Univ. Agr. Ext. Pamphlet 59.) University Farm, St. Paul, 1939.  
Mimeographed.  
CHRISTOPHERSON, C. H. Floors for farm buildings. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 85.) University Farm, St. Paul, 1939.  
NEUBAUER, L. W. Roofs for farm buildings. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 86.) University Farm, St. Paul, 1939.  
MILLER, D. G. Effect of drainage on water levels of farm wells. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 87.) University Farm, St. Paul, 1939.  
KOLLER, E. F. Recent trends in the Minnesota dairy industry. (Minn. Univ. Agr. Ext. Agr. Farm Business Notes no. 196, p. 1-2.) University Farm, St. Paul, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1939

## Minnesota (Continued)

- POND, G. A., and RANNEY, W. P. Management factors that affect farmer's earnings. (Minn. Univ. Agr. Ext. Farm Business Notes no. 197, p. 1-2.) University Farm, St. Paul, 1939.
- PETERSON, G. L. Farm mortgage loans by country banks. (Minn. Univ. Agr. Ext. Farm Business Notes no. 197, p. 3.) University Farm, St. Paul, 1939.
- NEWMAN, W. A., and DANKERS, W. H. Problems in marketing Minnesota eggs. (Minn. Univ. Agr. Ext. Farm Business Notes no. 198, p. 1-2.) University Farm, St. Paul, 1939.

## Missouri

- BURCH, J. W., and EWING, T. A. Care and hitches for work horses. (Mo. Agr. Col. Ext. Circ. 403.) Columbia, 1939.  
Revision of Circ. 287.
- MOYER, D. D., and HUFF, K. B. The Missouri summer range shelter. (Mo. Agr. Col. Ext. Circ. 404.) Columbia, 1939.
- REGAN, M. J., and GIFFORD, W. Rations for dairy cows. (Mo. Agr. Col. Ext. Circ. 405.) Columbia, 1939.  
Based on Missouri Agricultural Experiment Station Bulletin "Feeding dairy cattle" by A. C. Ragsdale, and "Feeds and feeding", 20th ed., by F. B. Morrison.

## New Hampshire

- HEPLER, J. R., and ELLIS, ELIZABETH Tomatoes for good health. (N. H. Univ. [Agr.] Ext. Circ. 220.) Durham, 1939.
- HERR, C. S. Suggested forest practices as a result of hurricane timber damage. (N. H. Univ. [Agr.] Ext. Press Bul. 186.) Durham, 1938.
- LATIMER, L. P. Pollenizers for apples. (N. H. Univ. Agr. Ext. Press Bul. 187.) Durham, 1938.

## New Mexico

- STRONG, VEDA A. Canning club, unit I. (N. Mex. Agr. Col. Ext. Circ. 156.) State College, 1938.
- STRONG, VEDA A. Canning club unit II. (N. Mex. Agr. Col. Ext. Circ. 157.) State College, 1938.
- STRONG, VEDA A. Canning club, unit III. (N. Mex. Agr. Col. Ext. Circ. 158.) State College, 1938.
- STRONG, VEDA A. Canning club, unit IV. (N. Mex. Agr. Col. Ext. Circ. 159.) State College, 1938.
- ANDERSON, E. E. Suggestions for producing quality eggs. N. Mex. Agr. Col. Ext., 1939. State College.  
Mimeographed.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1939  
(Continued)

New York

- List of publications issued by Cornell University Agricultural experiment station and the New York State colleges of agriculture and home economics.  
(N. Y. Agr. Col. (Cornell) Ext. Bul. 47, rev.) Ithaca, 1939.  
BAKER, D. W., and WILLMAN J. P. Controlling internal parasites of sheep.  
(N. Y. Agr. Col. (Cornell) Ext. Bul. 407.) Ithaca, 1939.  
RICH, M. The larger parish, an effective organization for rural churches.  
(N. Y. Agr. Col. (Cornell) Ext. Bul. 408.) Ithaca, 1939.  
SAVAGE, E. S., and BENDER C. B. Grass silage. (N. Y. Agr. Col. (Cornell) Ext. Bul. 409.) Ithaca, 1939.  
TURNER, C. N. How electricity is used on the farm. (N. Y. Agr. Col. (Cornell) Ext. Bul. 410.) Ithaca, 1939.

North Dakota

- Homemade 6-volt electric fence controller. Department of Agricultural Engineering. (N. Dak. Agr. Col. Ext. A. E. 34.) State College Station, Fargo, 1938. Mimeographed.  
McCOLLY, H. F., and FARMER, W. H. Snow irrigation. (N. Dak. Agr. Col. Ext. A. E. 37.) State College Station, Fargo, 1938. Mimeographed.  
HOLMAN, L. E. Refrigeration, principles and uses. (N. Dak. Agr. Col. Ext. A. E. 38.) State College Station, Fargo, 1939. Mimeographed.  
BARTON, O. A. Turkeys, origin, history, and distribution. (N. Dak. Agr. Col. Ext. Circ. 167.) State College Station, Fargo, 1939.

Ohio

- BIEBRICHER, ANNE, and ROSS, C. C. Refinishing furniture at home.  
(Ohio Agr. Col. Ext. Bul. 198.) Columbus, [1939]  
References, p. 30.  
PARK, J. B., and SLIPHER, J. A. The soybean: Its place in a farming system. (Ohio Agr. Col. Ext. Bul. 199.) Columbus, 1939.

Pennsylvania

- Pennsylvania farm economics. No. 2. May 1939. State College.

Rhode Island

- CHRISTOPHER, E. P. Spray thoroughly for clean fruit. Spraying fruits for insect and disease control. (R. I. State Col. Ext. Mimeo. Circ. 5.) Kingston, 1939.  
HOWARD, F. L. Control measures recommended for diseases of vegetables. (R. I. State Col. Ext. Mimeo. Circ. 6.) Kingston, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1939  
(Continued)

South Carolina

REAGAN, MYRA Eating for health. (Clemson Agr. Col. (S. C.) Ext. Inform. Card 54.) Clemson, 1939.

Texas

CAMP, JENNIE, and others. Starring sweet potatoes. (Texas Agr. Col. Ext. [Circ.] C-127.) College Station, 1938.

Food production plan. (Texas Agr. Col. Ext. [Circ.] C-131.) College Station, 1938.

WILLIAMSON, H. H., and others. Texas Extension work, 1938. (Texas Agr. Col. Ext. R-1.) College Station, 1939.

Vermont

VARNEY, H. R. The dairy situation. (Vt. Agr. Col. Ext. Vermont Farm Business v. 6, no. 2, p. 1.) Burlington, 1939.

West Virginia

HUMPHREYS, GERTRUDE West Virginia's rural churches. (W. Va. Agr. Col. Ext. Good Living Ser. VII, Lesson no. 6, Adventures in Community Living.) Morgantown, [1939]

Wisconsin

Reciprocal trade agreements with the United Kingdom and Canada. (Wis. Agr. Col. Ext. Spec. Circ. Econ. Inform. for Wis. Farmers v. 10, no. 4.) Madison, 1939.

Parity prices. (Wis. Agr. Col. Ext. Spec. Circ. Econ. Inform. for Wis. Farmers v. 10, no. 5.) Madison, 1939.

Farming with more alfalfa. (Wis. Agr. Col. Ext. Spec. Circ. Econ. Inform. for Wis. Farmers v. 10, no. 6.) Madison, 1939.

Wyoming

NORTH, M. O. The Wyoming straw-loft poultry house and poultry house remodeling. (Wyo. Agr. Col. Ext. Circ. 67.) Laramie, 1939.

--O-O-O-O-O-O-O-O-O-O-O-O--

INDEX OF TRANSLATIONS

## U. S. Department of Agriculture Library

In connection with the Translation Exchange Service project initiated by the Interbureau Translation Committee of the Department of Agriculture, of which Dr. H. B. Humphrey, Bureau of Plant Industry, is chairman, the Library is maintaining a card record of translations received by the Library, both in processed and typewritten form, and also a record of film copies made from typewritten copies that have been lent to the Library for the most part by the State agricultural colleges and experiment stations who are cooperating in the translation project. The translations are also listed as received in Agricultural Library Notes. The purpose of the project is to make more generally available any translations that may be made in the fields of interest to the Department and the land-grant colleges and experiment stations. The cooperation of offices of the Department in Washington and in the field is earnestly requested in sending copies of their translations, and also the cooperation of the land-grant colleges and experiment stations. The cooperation of other institutions having translations in the fields of special interest to the Department would also be welcomed. In the preparation of the cards for the index, it would be helpful if the translations would in all cases give the following information:

If a book: The author, the foreign and translated titles, the publisher, and date.

If a chapter from a book: The author, the foreign and translated titles of the book and of the chapter translated, the inclusive pages, the publisher, and date.

If a periodical article: The author, the foreign and translated titles of the article, the name of the periodical, the volume, number, inclusive pages, and date.

Following are examples illustrating the form to be followed in each case:

LIESEGANG, R. E. Kolloid-fibel für mediziner (Colloid primer for students in medicine). Dresden, T. Steinkopf, 1936. Translated by K. Goering and Louis DeVries.

BAUER, K. H. Chemische technologie der fette und öle. III. Die einzelnen bestandteile der fette und öle (Chemical technology of fats and oils. III. The individual constituents of fats and oils). p. 44-79. Berlin, Paul Parey, 1928. Translated by F. W. Hoyt and Louis DeVries.

CHOUARD, P. Chaleur, lumière et radiations. Principes de leur action sur les plantes. II. L'éclairage; ses divers modes; action des diverses radiations sur les plantes (Heat, light and irradiations. Principles of their action on plants. II. Lighting; its various modes; action of various irradiations on plants). Rev. Hort. n. s. 25(1): 17-26. Jan. 1936. Translated by J. B. Wingert and Louis DeVries.

In the case of a Russian, Chinese, or Japanese article, the transliterated title, in addition to the translated title, is desired.



-----

SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during June 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Agricultural Adjustment Administration

Federal agencies engaged in activities concerned with consumer standards and commodity information. Prepared by S. P. Kaidanovsky, Chief, Standards section, Consumers' project, U. S. Department of labor. 1937. Reissued without revision by the U. S. Department of agriculture, Agricultural adjustment administration, Division of consumers' counsel. June 1939. 72 p. 1.94 Ad422F

Philosophy conference on agriculture. May 29, 1939. 17 p. Issued by Program study and discussion section. 1.94 Ad472Ph

Conference held at Washington, D.C., Apr. 10-11 to consider problems of agriculture in the United States from the philosophical point of view.

Selected tables based on a study of weights and measures administration. Prepared for distribution at the 29th National conference on weights and measures, National bureau of standards, Washington, D.C.; June 7, 1939. Consumer standards project. 1939. 11 p. Issued by Consumers' counsel division. 1.94 Ad422Se

Statements by D. E. Montgomery, Consumers' counsel, at Hearing on consumer problems before Temporary National economic committee, Washington, D. C. May 10-12, 1939. 13 p. (CC-49) Issued by Consumers' counsel division. 1.94 Ad422Cc

Bureau of Agricultural Economics

Economic and institutional barriers to social progress. By Arthur G. Peterson. 1939. 15 p. Address, Annual meeting of Western Farm economics association, Berkeley, California, June 16, 1939. 1.9 Ec752Ec

Estimates of gross and net weights of butter in various types of packages at New York, Chicago, Boston, and Philadelphia. By Gertrude G. Foelsch. May 1939. 13 p. 1.9 Ec724Est

Factors affecting the quality of dry peas. By J. E. Barr and J. A. Thompson. 1939. 21 p. 1.9 Ec712Fac

Farm population estimates, January 1, 1939. June 22, 1939. 13 p. 1.9 Ec763Fap

Gross farm income and government payments in 1939 are estimated at \$9,220,000,000. June 5, 1939. 21p. 1.9 Ec7Fvp

---

\*Bibliographies included in general list of bibliographies on page 368.

\*\*For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF PROCESSED PUBLICATIONS

## Bureau of Agricultural Economics (continued)

- Income parity for agriculture. Part III. Prices paid by farmers for commodities and services. Sect. 5. Index numbers of prices paid by farmers for commodities. 1910-38. Preliminary. May 1939. 55 p. 1.9 Ec7Inp
- Livestock, meats, and wool market statistics and related data 1938. Compiled under the direction of Edna M. Jordan. 1939. 91 p. 1.9 Ec713Ls
- Peanuts; revised estimates; acreage, yield, production and disposition by states and estimated commercial production by areas 1919-1938. May 1939. 18 p. 1.9 Ec71Pea
- Receipts of milk and cream at the New York market. By A. J. Pollard and L.F. Champlin. 1939. 12 p. 1.9 Ec724Rem
- Regional variations in prices received by farmers 1925-34 for 10 selected commodities. By A. R. Gans, [Farm credit administration] and R. F. Hale. May 1939. 1.9 Ec71Rv
- State agricultural departments and marketing agencies with names of officials. June 1939. 6 p. 1.9 Ec731St

## Bureau of Agricultural Engineering

- Mechanization of sugar-beet production. By E. M. Morvine and S. W. McBirney. 1939. 12 p. Presented before annual meeting of the A.S.A.E., St. Paul, Minn., June 22, 1939. 1.9 En37M
- Physical environment and farm housing. By J. R. Dodge. 1939. 13 p. Address at annual meeting of A.S.A.E., St. Paul, Minn., June 22, 1939. 1.9 En3Ph
- Relation of construction factors to comfort in farmhouses. By J. W. Simons. 1939. 12 p. Address at 30th annual meeting of the American Home Economics Association, San Antonio, Texas, June 22, 1939. 1.9 En3Rel
- Results of surveys on research in the uses of electricity in the dairy and poultry industries. By Harry L. Garver. 1939. 15 p. Address given before Rural electrification division, A.S.A.E., St. Paul, Minn., June 22, 1939. 1.9 En3Res

## Bureau of Animal Industry

- Distemper in dogs. June 1939. 3 p. Issued by Pathological division. 1.9 An56Dis
- Information concerning the study and practice of veterinary medicine. May 1939. 2 p. 1.9 An5Info

SELECTED LIST OF PROCESSED PUBLICATIONS

## Bureau of Animal Industry (continued)

Progress in Pullorum control under the National poultry improvement plan.  
By Paul B. Zumbro. 1939. 3 p. Abstract of talk at the Twelfth  
annual conference of laboratory workers in pullorum disease control,  
Univ. of Maryland, May 4, 1939. 1.9 An525Pr

## Bureau of Biological Survey\*

Dealers in waterfowl, upland game birds, ornamental birds, and bird supplies.  
Compiled in Section of food habits. (Bi-458) June 1939. 9 p. 1.9 B527

Fall and winter food habits of deer in northeastern Minnesota. By Shaler E.  
Aldous. 1939. 13 pp. (Wildlife Research and Management Leaflet BS-137)  
Issued by Sections of Wildlife Surveys and Food Habits, Division of Wildlife  
Research. 1.9 B524W.

Rabbit-pen construction in relation to sore hocks. By G. S. Templeton.  
1939. 2 pp. (Wildlife Research and Management Leaflet BS-139) Issued by  
Section of Fur Resources, Division of Wildlife Research. 1.9 B524W.

Sperm studies as a guide in fur-animal breeding practice. By Robert K.  
Enders. 1939. 3 pp. (Wildlife Research and Management Leaflet BS-138)  
Issued by Section of Fur Resources, Division of Wildlife Research. 1.9 B524W.

A survey of the annual fur catch of the United States. 1939. 19 pp.  
(Wildlife Research and Management Leaflet BS-140) Issued by Section of Fur  
Resources, Division of Wildlife Research. 1.9 B524W.

## Bureau of Chemistry and Soils

Industrial use of farm products. By W. W. Skinner. 1939. 18 p. Address  
before Mid-American chemurgic conference, sponsored by National Farm  
chemurgic council, Columbus, Ohio, May 20, 1939. 1.9 C49In

Peppers and pimientos: information on commercial canning. 4 p.  
Issued by Food research division. 1.9 C4925Pep

## Commodity Exchange Administration

Trading in egg futures. May 1939. 10 p. (C.E.A.-19) 1.9 C73C

---

\*Under the President's reorganization plan No. 2, the Bureau of Biological Survey was transferred to the Department of the Interior, effective July 1, 1939. Hereafter contributions from the Bureau will not, therefore, be included in Agricultural Library Notes.



SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Bureau of Dairy Industry

Casein fiber. By E. O. Whittler and S. P. Gould. 1939. 4 p. (BDIM-849)  
Presented at a meeting of the American chemical society, Baltimore, Md.,  
Apr. 3, 1939. 1.9 D14Bd

The relationship of moisture in swiss cheese to quality and yield. By George  
P. Sanders and Robert R. Farrar. 1939. 3 p. Presented at annual meeting  
of American dairy science association, Pullman, Wash., June 27-30, 1939.  
1.9 D142Rel

Report of Quality committee, Extension section, American dairy science  
association, C. J. Babcock, chairman. 1939. 10 p. BDIM-851 1.9 D14Bd

Tester's Computer. Compiled by J. F. Kendrick. Rev. May 1939. 22 p.  
1.9 D143Te

Bureau of Entomology and Plant Quarantine

Diphenylamine as a wound protector against the screwworm, *Cochliomyia*  
*Americana* C. and P. By Roy Melvin, Henry E. Parish, Edward F. Knip-  
pling, and Raymond C. Bushland. June 1939. 4 p. (E-481) 1.9 En83

Instructions for surveys and control of bark beetle outbreaks in the  
Central Rocky mountain region. By Dwight A. Hester, Forest insect  
investigations, Fort Collins, Colorado. 1939. 9 p. En8622I

Mediterranean fruit fly parasite expeditions. 1935-36. 1939.  
1.9 En86Med

A mobile insect-collecting trap. By J. R. Douglass and E. H. Bean. May 1939.  
(Et-146) 2 p. 1.9 En83Et

Report on cooperative work on oriental fruit moth parasites for 1938.  
1939. 10 p. 1.9 En867R

Stem rust destructive to spring wheat in 1878. By Laura M. Hamilton.  
May 1939. 11 p. 1.9 En862Str

The use of oil for earworm control in sweet corn. By George W. Barber.  
May 1939. 6 p. (E-476) 1.9 En83

-----  
SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Extension Service

Agricultural progress in the south. By Reuben Brigham. 1939. 11 p.  
(Extension service circular 308) 1.9 Ex892Esc

The educational work of the Extension service with reference to wildlife conservation. By C. W. Warburton. 1939. 6 p. (Extension service circular 304) 1.9 Ex892Esc

Extension work in marketing and cooperation with the state bureaus and markets. By C. W. Warburton. 1939. 9 p. (Extension service circular 307) 1.9 Ex892Esc

Participation in home-economics extension and effectiveness of the program. A study of 171 rural families in Franklin county, Mass., 1936. By Gladys Gallup and Annette T. Herr. Issued Oct. 1937; reissued May 1939. 36 p. (Extension service circular 271) 1.9 Ex892Esc

Problems of 4-H local leaders in Illinois, Indiana, Michigan, and Ohio. By Barnard D. Joy and others. 31 p. 1939. (Extension service circular 305) 1.9 Ex822Esc

Report of home demonstration work, 1937. By Florence L. Hall. 1938. 22p.  
(Extension service circular 294) 1.9 Ex892Esc

Who's who at the National 4-H club camp. 1939. 44 p. 1.9 Ex892Fbw

Why I want my boy to be a farmer. By O. E. Baker. 1939. 16 p. (Extension service circular 300) 1.9 Ex892Esc

Farm Security Administration

Facts about Escambia farms. 1939. 2 p.; Facts about Allendale farms. 1939. 2 p.; Facts about Orangeburg farm. 1939. 2 p. 1.95 F11

How the Farm security administration is helping needy farm families. May 15, 1939. 10 p. 1.95 H83

Medical care for Farm security borrowers. June 15, 1939. 4 p. 1.95 M46Me

Homestead projects. May 15, 1939. 5 p. Reprints of articles concerning homestead projects of the Farm security administration which have appeared in the Atlanta journal, the Weekly Kansas city star, the Memphis commercial appeal, the Columbia state, and the Memphis press-scimitar. 1.95 H752

SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Forest Service

- American woods. Chestnut (*Castanea dentata*). By H. S. Betts. Apr. 1939. 8 p.; Black cherry (*Prunus serotina*). By H. S. Betts. Apr. 1939. 6 p.; yellow poplar (*Liriodendron tulipifera*). By H. S. Betts. May 1939. 9 p. 1.9 F76Am
- Direct seeding in the western white pine type. By C. S. Schopmeyer. May 1939. 10 p. (Applied forestry notes no. 90) Issued by U.S. Forest and range experiment station, Northern Rocky mountain, Missoula, Mont. 1.9 F7628A
- Forest resources of north central Georgia. By A. R. Spillers. A progress report by the Southern forest survey. June 15, 1939. 28 p. (Forest survey release no. 44) Issued by U.S. Forest experiment station, Southern, New Orleans, La. 1.9 F7624F
- Forest statistics for Pierce county, Washington. From the inventory phase of the forest survey. May 15, 1939. 17 p. Issued by U.S. Forest and range experiment station, Pacific northwest, Portland, Ore. 1.9 F7629Fsta

Graduate School

- Does science afford a basis for ethics? By Edwin G. Conklin. 1939. p. 49-76. (Lecture no. 3 in a series of ten lectures and discussions on Science: its history, philosophy, and relation to democracy) 1.9 Ag81Els
- The history of science and its place in contemporary civilization. By Henry E. Sigerist. 1939. p. 111-132. (Lecture no. 5 in a series of ten lectures and discussions on Science: its history, philosophy, and relation to democracy) 1.9 Ag81Els
- Philosophy and scientific methods. By Morris R. Cohen. 1939. p. 77-110. (Lecture no. 4 in a series of ten lectures and discussions on Science: its history, philosophy, and relation to democracy) 1.9 Ag81Els
- To what extent is a science of man possible? By Frederick Osborn. 1939. p. 133-158. (Lecture no. 6 in a series of ten lectures and discussions on Science: its history, philosophy, and relation to democracy) 1.9 Ag81Els

Bureau of Home Economics

- Hosiery production in the United States with special reference to the use of cotton. By Rose F. Menachine. May 1939. 46 p. 1.9H755Hos



SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Bureau of Plant Industry

Damage from increment borings. By W. A. Campbell, Civilian conservation corps. 1939. 6 p. 1.9 P693Da

Evaluation of seedlings. By E. Brown and E. H. Toole. June 1939. 4 p. 1.9 P69Ev

Germination equipment and supplies. By E.H. Toole. 1939. 4 p.  
Issued by Division of fruit and vegetable crops and diseases. 1.9 P772Ger

Germination tests. By E. H. Toole. 1939. 6 p. Issued by Fruit and vegetable crops and diseases. 1.9 P772Gt

Killing poison ivy with chemicals. By L. W. Kephart. May 20, 1939.  
3 p. Issued by Division of cereal crops and diseases. 1.9 P6917K

Progress report of the cooperative uniform comparisons of corn. 1939.  
7 p. Issued by Division of cereal crops and diseases. 1.9 P6917Pr

Soil surveys of California. 1939. 5 p.; Soil surveys of Virginia. 1939.  
3 p. 1.9 So32

Soil Conservation Service

Land utilization program. Project location maps. U.S., regional, and state maps. 1939. 2 p. (To be kept up to date by new maps) 1.96 L221

Notes on native and exotic plants in Region 8, with special reference to their value in the soil conservation program. By Leslie N. Goodding. Oct. 15, 1938. 152 p. 1.9608 N84

A study of some of the older strip cropping in Ohio, Pennsylvania, and West Virginia. By H. H. Morse and H. B. Alger. Jan. 1939. 26 p. (SCS-TP-20) 1.96 Op2St

-o-o-o-o-o-o-o-o-o-

FORESTRY ABSTRACTS

Under the title "Forestry Abstracts", the Imperial Forestry Bureau, Oxford, England, has started publication of a quarterly journal. This journal "will provide a survey in English of the current literature of forestry from all parts of the world. Each issue will normally include special reviews of the literature of particular subjects, noted on annual reports, and abstracts classified by subject. In the abstracts the aim is to epitomize the contents of each paper so as to enable the reader to judge of its value as a contribution to knowledge. In addition to papers in English, French, and German, attention will be directed to those published in the less familiar languages." The first number appeared in June 1939 and dealt mainly with the literature of 1938. Later numbers will appear quarterly in September, December, March, and June, four numbers constituting a volume. Indexes will be issued annually. Annual subscription is 25s.0d. Single issues are obtainable for 7s.0d.

In the introduction to the first issue, the following statement is made: "It may be noted that the Current Monthly Record of incoming literature is to be continued for the present in the interests of those who find it useful to have lists of material as it appears; but it may be necessary to repeat in Forestry Abstracts some of the titles included in the C.M.R. in the case of papers that are of importance but for one reason or another unsuitable for abstracting."

The subject classification used in Forestry Abstracts appears on the inside of the cover page. The classification is based on "Forest Bibliography with the Index Number 634.9 F. An International Decimal Classification on the basis of Melvil Dewey's System. Adopted on the recommendation of the International Committee on Forest Bibliography, 1906-1933."

As the opening paragraph of the first number, explaining "The Changing Shape of Forestry," is of particular interest, it is given below:

"Those who have been interested in the study of trends in forestry will have noticed during the past few years a distinct change in the outlook of foresters and forestry organizations in many parts of the world. Largely as a result of the growing realization and experience of the evils consequent on misuse of land, there has been a gradual shifting of emphasis from 'production forestry' to 'protection forestry'; and foresters are coming to regard their work less as an isolated activity, carried on in reserves set apart for the purpose, than as one of several facets of the complex problem of land use. An outcome of this movement has been a widespread urge towards the acquisition of deeper knowledge of the sciences common to forestry and other relatively extensive forms of land use, and fundamental to the study of soil, vegetation, and climate."

At the close of this paragraph, an extract was given from a Parliamentary White Paper on the Colonial Empire during the year ended 31st March 1939\*, as illustrative of the movement, and interesting for the outline it gives of the present trend of forest policy in the British Colonies.

---

\*The Colonial Empire. Statement relating to the Period 1st April 1938, to 31st March 1939, to accompany the Estimates for Colonial and Middle Eastern Services, 1939. Cmd. 6023. H.M. Stationery Office, 1939.

-----

AGRICULTURAL LIBRARIES SECTION  
American Library Association

The Agricultural Libraries Section held its annual meeting Friday afternoon, June 23, at the San Francisco Civic Auditorium. The chairman, W. P. Kellam, Librarian, North Carolina State College, Raleigh, presided. Mildred Benton, Librarian, U. S. Soil Conservation Service, acted in place of the absent secretary. Of the 56 librarians in attendance, 3 were from state experiment stations, 12 from colleges of agriculture, 8 from university libraries, 11 from government offices, 20 from public libraries, and 2 from business libraries. The states represented were as follows: California, 21; Connecticut, 1; District of Columbia, 6; Idaho, 1; Illinois, 2; Indiana, 2; Iowa, 1; Kansas, 1; Michigan, 1; Minnesota, 2; New York, 1; North Carolina, 2; Ohio, 2; Oklahoma, 1; Oregon, 4; Pennsylvania, 2; Utah, 3; Washington, 1; Wisconsin, 1. There was one person from British Columbia.

The program consisted of two papers, the first by Sydney B. Mitchell, Director, School of Librarianship, University of California, the second by Ralph R. Shaw, Librarian, Public Library, Gary, Ind. Dr. Mitchell's paper, entitled "The Amateur Gardener's Library," outlined in some detail the actual books, periodicals, and society publications an amateur gardener should have access to either in his private library or in the public library attempting to serve him. The paper will appear in the gardening number of the Library Journal, March 1, 1940. Mr. Shaw's talk was on "Reference and Research Work in Scientific and Technical Libraries." He warned against the tendency to run to an index without thinking about the nature of the question and emphasized the importance of fully understanding the question, both its terms and its scope, before rushing to find the answer. Selecting the best type of approach to the problem and carefully considering the kinds of reference works available should be the final steps, he said, in giving quick reference service and efficient search service in all sorts of libraries in all departments.

The business meeting began with the report of the Reorganization Committee, given by its chairman, Jackson E. Towne, Librarian, Michigan State College. This will be printed in full in the A.L.A. Bulletin, Oct. 15, 1939. The committee was appointed to consider whether the section should become a subsection of the Association of College and Reference Libraries and to study the functions and aims of the Agricultural Libraries Section. Mr. Towne said that the absence of any membership list was one of the chief reasons for the appointment of his committee. The Committee undertook to find out by means of a questionnaire and an explanatory accompanying letter what all A.L.A. members who might be interested in the future of the Agricultural Libraries Section thought about reorganization.

Before discussing the results of the questionnaire Mr. Towne quoted some of the letters he had received which raised such questions as: What libraries should be considered agricultural? How can a sufficiently large official subsectional membership be secured when head-librarians of land-grant colleges will probably vote with the university or college subsec-



AGRICULTURAL LIBRARIES SECTION

(continued)

tion of the Association. As the covering letter explained, each member of the Association of College and Reference Libraries will vote in one subsection which he may choose and to which fifty cents of his one dollar dues to the A.C.R.L. will go.

The summary is given here of the results of the 349 questionnaires sent out to the library staff members of land-grant colleges and the U.S. Department of Agriculture and of the 32 sent to miscellaneous agricultural libraries.

"1. In your opinion are the interests of agricultural libraries adequately served by the present set-up of the Agricultural Libraries Section?"

Of the 381 questionnaires sent out 192 replies were received. The answers to the above question were: "no," 93; blank, 90; "yes," 9.

"2. Do you think it would be desirable to reorganize the section?"

From a total of 192 replies received, 130 voted "yes," 57 left the question unanswered, and 5 voted "no."

"3. If you answer to no.2 is yes, which of the four steps listed below do you prefer? Place check in one of the four parentheses. The committee is making every effort to reach every member of the A.L.A. who will have any possible interest in the future of the Agricultural Libraries Section."

[For Mr. Towne's detailed comments and suggestions on this question, the reader is referred to the complete report.]

Four possible steps:

"(a) Immediate application by the Agricultural Libraries Section to the Association of College and Reference Libraries for permission to be incorporated as a subsection of the latter. It is understood that the word 'subsection' is to be changed in the not distant future."

Of 192 returns received, 159 voted for this step.

"(b) Application by the Agricultural Libraries Section to the A. C. R. L. on the understanding that the word 'subsection' will not be used even temporarily."

Of 192 returns received, 7 voted for this step.

"(c) Continuing aloof from the A.C.R.L., and reorganizing at least to the extent of a restatement of the points in the A.L.A. Handbook and of the recommendations of the Committee on Future Activities so that the Agricultural Libraries Section will better provide for consideration of the special problems of the land-grant colleges."

Of 192 returns received, 2 voted for this step.

-----  
AGRICULTURAL LIBRARIES SECTION  
(continued)

"4. If the Agricultural Libraries Section undertakes no new affiliation, do you think membership dues should be charged?"

Replies received included 100 affirmatives, 72 blanks, and 20 negatives.

This was followed by a concluding question which read: "If your answer to number 4 is yes, do you favor \$1.00 dues, as now charged by the Association of College and Reference Libraries, or \$.50 as charged by some other sections and round tables?"

The vote was: for \$1.00 dues, 27; no specific answer, 92; for \$.50 dues, 73.

Mr. Towne concluded that in view of the majority of votes, 159 out of 192, in favor of step (a), which was application for permission to be incorporated as a subsection of the A. C. R. L., there was only one major recommendation for his committee to offer, namely that the Section make such an application. He also urged valiant striving for expansion and increased vitality if the Section is admitted to this status.

Among the difficult tasks facing the new officers he mentioned: getting non-A.L.A. members in agricultural libraries interested, overcoming the natural apathy both of the land-grant college staff members who are not primarily agricultural, and of full-time agricultural librarians who cannot afford to attend A.L.A. meetings regularly, and meeting the competition of other strong program-forming groups in the A.L.A.

The members of Mr. Towne's committee were: W. P. Kellam, ex officio; Nelle U. Branch, Librarian, College of Agriculture Branch Library, University of California, Davis; James A. McMillen, Librarian, University of Louisiana, Baton Rouge; Margaret T. Olcott, Assistant Librarian, Bureau of Agricultural Economics Library, U. S. Dept. of Agriculture, Washington; Zeliaette Troy, Librarian, Boyce Thompson Institute for Plant Research, Yonkers, N. Y.

Since so few people and so little time remained after the reading of this report and because the majority vote on the questionnaire was in favor of applying for membership in the Association of College and Reference Libraries, it was felt that the only action necessary would be by the new chairman of the Section in initiating such an application.

In the absence of the chairman, Miss Borcaw, Miss Cummings read the report of the Committee on Cooperative Bibliographical Aid: "From May 1938 to May 1939 eight lists of references on the literature of rural life were compiled by this committee for publication in Rural America, the organ of the American Country Life Association. These lists contain references to recent books, pamphlets and periodical articles on rural subjects selected by the different members of the committee, supplemented by reviews contributed by Mr. Benson Y. Landis, Executive Secretary of the American Country Life Association. The personnel of the committee is as follows: Orpha Cummings, Librarian, Giannini Foundation of Agricultural Economics, Berkeley; Cora L. Feldkamp, Librarian, Office of

-----  
AGRICULTURAL LIBRARIES SECTION  
(continued)

Experiment Stations, U. S. Dept. of Agriculture, Washington; Bertha E. Herse, Library, Oregon State Agricultural College, Corvallis; Caroline B. Sherman, Bureau of Agricultural Economics, U. S. Dept. of Agriculture, Washington; and Louise C. Bercaw (Chairman), Library, Bureau of Agricultural Economics, U. S. Dept. of Agriculture, Washington."

Mr. Kellan reported that he had had so many delays in securing a chairman for the committee on standardization of format of experiment station and extension publications which Miss Feldkamp had suggested last year that he had decided to leave further action on appointment of this committee to the new section chairman.

Miss Benton then read the report of the Oberly Memorial Fund Committee for 1938/39 of which Miss Feldkamp was chairman. See page 382.

The following officers were elected for 1939/40: Chairman, Margaret I. King, University of Kentucky Library, Lexington; Secretary, Angelina Carabelli, Bureau of Entomology and Plant Quarantine Library, U. S. Dept. of Agriculture, Washington.

Janice Stewart Brown  
Secretary.

-O-O-O-O-O-O-O-O-O-O-O-O-O-

JOSE TORIBIO MEDINA BIBLIOGRAPHICAL PRIZE

The Inter-American Bibliographical and Library Association announces the establishment of an annual bibliographical prize of one hundred dollars to be known as the Jose Toribio Medina Bibliographical Prize. The award will be made each year at the annual convention of the Inter-American Bibliographical and Library Association. The judges will consist of members of the Council of the Association and authorities they may wish to consult, and their decision concerning the award shall be final. If in their opinion no bibliography is worthy of receiving the prize in any given year, the Council shall have the right to withhold the award. Headquarters of the Association: Library of Congress, Washington, D. C.; Secretary-Treasurer, Carmel Sullivan.

-O-O-O-O-O-O-O-O-O-O-O-O-O-






11a  
7.4



# AGRICULTURAL LIBRARY NOTES



## CONTENTS

Vol. 14

August 1939

No. 8

Principal Library Accessions.....	437
Bibliographies and Lists.....	445
International Directory of Agricultural Libraries.....	446
Congresses.....	446
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	447
Translations received in the Library.....	459
Articles by State Agricultural Experiment Station Workers.....	461
List of State Extension Publications.....	481
Notes on Periodicals.....	486
Selected List of Processed Publications of the U.S. Department of Agriculture.....	487
Lost Books.....	493

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY

WASHINGTON  
D. C.





# AGRICULTURAL LIBRARY NOTES

Vol. 14

August 1939

No. 8

## PRINCIPAL LIBRARY ACCESSIONS\*

### Agricultural Law

MOLLER, N. H. A manual of farm law comprising adulteration - animals - agricultural marketing and produce - contracts - crops - distress - drainage and fences - landlord and tenant - rates and taxes - servants and labourers, etc. London, Stevens, 1938. 30.5 M73

### Agriculture

BOSS, A., and others. Agriculture I. Saint Paul, Webb, 1939. 30.2 B65A  
INDIA. HYDERABAD. DEPT. OF STATISTICS AND CENSUS. Alphabetical list of plants grown on field scale. Hyderabad-Deccan, Government central press, 1937. 34.2 In27

NYASALAND. Report of the agricultural survey of the five most northerly districts of Nyasaland. Zomba, Nyasaland, Government printer, 1938. 24 N982

SOUTH AFRICA. DEPT. of AGRICULTURE AND FORESTRY. Handbook for farmers in South Africa. Comp. by D. J. Seymore. Ed. 3. Pretoria, Government printer, 1937. 35.3 So83 Ed.3

SWITZERLAND. VOLKSWIRTSCHAFTSDEPARTEMENT. Landwirtschaftliches hilfstoffbuch. Bern. Verbandsdruckerei A.-G., 1937. 30.3 Sw6

SWITZERLAND. VOLKSWIRTSCHAFTSDEPARTEMENT. ABTEILUNG FÜR LANDWIRTSCHAFT. Massnahmen des bundes zur förderung der landwirtschaft, 1925-1937. Bern. Verbandsdruckerei AG., 1939. 33.21 Sw52

### Authorship

HENDRICKS, K., and others. Utah state manual for research writing. Logan, Utah State agricultural college, 1938. 238 H38

### Bacteriology.

AMERICAN PUBLIC HEALTH ASSOCIATION. Standard methods for the examination of dairy products, bacteriological, bioassay and chemical. 7th ed. of Standard methods of milk analysis. Chemical methods compiled by the Committee on editing methods of analysis of the Association of official agricultural chemists. New York, 1939. 448.2 Am3 Ed.7

### Botany

CHIBNALL, A. C. Protein metabolism in the plant. New Haven, Yale university press, 1939. (Yale university. Mrs. Hepsa Ely Silliman memorial lectures) 463.34 C43

\*Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.

-----  
PRINCIPAL LIBRARY ACCESSIONS

Botany (continued)

- KANJILAL, U. N., and others. Flora of Assam. v.1, pt.1-2. Calcutta, M.C.Das, 1934-36. 460.12 K13
- URBAN, O. Botanica de las plantas endemicas de Chile. Concepción, Soc. imp. y lit. "Concepción", 1934. 457.3 Ur1
- WILDEMAN, E. Intersexualité, unisexualité chez quelques phanérogames. Bruxelles Palais des académies, 1936. (Académie royale de Belgique. Classe des sciences. Mémoires. Collection in -8° [2e série] tome 15, fasc. 1) 463.38 W64
- WALKER, J. C. Diseases of vegetable crops. Ann Arbor, Mich., Edwards, 1939. 464.04 W15 Rev.ed.

Chemistry, Pharmacology

- KAY, L. A. The microscopical study of drugs. London, Baillière, Tindall and Cox, 1938. 396 K18
- MOULTON, F. R., ed. Recent advances in surface chemistry and chemical physics. Lancaster, Pa., Science press, 1939. (Publications of the American association for the advancement of science. no. 7) 386 M862
- SOLLMANN, T. H., and HANZLIK, P. J. Fundamentals of experimental pharmacology. Ed. 2. San Francisco, Stacey, 1939. 396 So42I Ed.2

Conservation

- INTERNATIONAL CONFERENCE FOR THE PROTECTION OF THE FAUNA AND FLORA OF AFRICA. 2d, London, 1938. Final act. London, H. M. Stationery off., 1938. 279 In82

Description and Travel

- HARRISSON, T. H., ed. Borneo jungle, an account of the Oxford expedition to Sarawak. By J. Ford and others. London, Drummond, 1938. 127 H24

Economics

- ANGAS, L.L.B. New boom ahead in England. London, St. Clements press, 1939. 284 An4N
- BEVERIDGE, Sir W. H., and others. Prices and wages in England from the twelfth to the nineteenth century. v. 1. New York, Longmans, Green, 1939. (Publications of the International scientific committee of price history) 284.3 B463
- BOLETIM DOS ORGANISMOS CORPORATIVOS E DE COORDENAÇÃO ECONÔMICA DO COMÉRCIO E DA INDÚSTRIA. Ação corporativa no comércio e na indústria, ano XII, 28 de maio. Lisboa, Editorial Impérial, 1938. 280.176 B63

-----  
PRINCIPAL LIBRARY ACCESSIONS

Economics (Continued)

- BRAATTOY, B. The new Sweden: a vindication of democracy. New York, Nelson, 1939. (Discussion books. no. 18) 280.173 B72
- FOWKE, V. C. The consumer movement. Seattle, 1937-38. Typewritten. 280.2 F822
- HISKETT, W. R., and FRANKLIN, J. A. Searchlight on social credit. London, King, 1939. 284 H62S
- JEFFERSON, T. Democracy, selected and arranged by S. K. Padover. New York, Appleton-Century, 1939. 280 J35
- MICHIGAN. TAX STUDY COMMISSION. Report. Detroit, 1939. 284.5 M584R
- NATIONAL CONFERENCE ON THE PROBLEMS OF THE NEGRO AND NEGRO YOUTH. 2d, Washington, D. C., 1939. Proceedings. [Washington?] 1939. Processed. 280.9 N2153 2d
- NEW ZEALAND INSTITUTE OF INTERNATIONAL AFFAIRS. Contemporary New Zealand. London, Oxford university press, 1938. 280.1993 N48
- SCHUMPETER, J. A. The theory of economic development. Translated from the German by R. Opie. Cambridge, Harvard university press, 1936. (Harvard economic studies. vol. 46) 280 Sch83
- SEARS, P. B. Who are these Americans? New York, Macmillan, 1939. (The people's library. no. 5) 280.13 Scl
- SERPIERI, A. Principi di economia politica corporativa. Ed. 2. Firenze, Soc. an. G. Barbèra, 1939. 280 Se62 Ed.2
- WITCUTT, W.P. The dying lands, a fifty years' plan for the distressed areas. London, Distributist league, 1937. 280.171 W77

Economics, Agricultural

- AMERICAN COUNTRY LIFE ASSOCIATION. YOUTH SECTION. What's ahead for rural America? By E. L. Kirkpatrick and A. M. Boynton. Washington, D. C., 1939. Processed. 281.2 Am 343W
- AMERICAN YOUTH COMMISSION. Rural youth speak; detailed analysis of the replies from rural young people interviewed in a comprehensive survey. By J. J. Lister and E. L. Kirkpatrick. Washington, D. C., 1939. Processed. 281.2 Am36
- BELL, J. F., and others. The live stock industry of Manitoba. Winnipeg, 1939. (Manitoba. Economic survey board. Project no. 19) Processed. 281.340 B41
- BRAND, M. B., and others. Die frau in der deutschen landwirtschaft. Berlin, Vahlen, 1939. (Deutsche agrarpolitik auf geschichtlicher und landeskundlicher grundlage. bd.3) 281.175 Se6D bd.3
- CONFERENCE ON MARKETS FOR WESTERN FARM PRODUCTS, Winnipeg, 1938. Proceedings. Winnipeg, Manitoba, 1939. 281.9 C768
- GRANT, H. C., and others. Agricultural income and rural municipal government in Manitoba. Winnipeg, 1939. (Manitoba, Economic survey board. Project no. 20) Processed. 281.133 G76



-----

PRINCIPAL LIBRARY ACCESSIONS

Economics, Agricultural (continued)

- INDIA. INDIAN CENTRAL COTTON COMMITTEE. General report on nine enquiries into the village or extra-factory consumption of cotton in India, 1933-36. Bombay, British India press, 1938. 281.372 In23
- SERING, M., and DIETZE, C. von. ed. Agrarverfassung der deutschen auslandssiedlungen in Osteuropa. v. 1. Berlin, Vahler, 1939. (Schriften der Internationalen konferenz für agrarwissenschaft (International conference of agricultural economists)) 282.2 Se6A

Education

- AMERICAN YOUTH COMMISSION. Vocational training for older rural youth, by A. M. Boynton and E. L. Kirkpatrick. Washington, American youth commission, American council on education, 1938. Processed. 275 Am35

Engineering

- TEXAS. BOARD OF WATER ENGINEERS. Brief prepared by J. E. Sturrock in the matter of treaty between the United States of America and the republic of Mexico respecting the division and diversion of the waters of the lower Rio Grande between the two countries. Austin, 1938. 292 T313

Entomology

- SAVULESCU, T. Un ennemi des cultures de pommiers et de poiriers, le pou de San José (*Aspidiotus perniciosus* Comst.) Bucuresti, Ministère de l'agriculture et des domaines, Service de la protection des plantes, 1937. 431 Sa92

Field Crops

- AVANZI, E. Prove comparative con leguminose foraggere di varia provenienza e contributo di ricerche per il miglioramento di razza di alcune essenze pratensi. Trento, Stazione agraria sperimentale di San Michele all'Adige, 1938. 60.3 Av1
- AVANZI, E. Prove e ricerche sulla cultura del lino e sui prodotti di essa. Trento. Stazione agraria sperimentale di S. Michele all'Adige e Istituto di agronomia generale e coltivazione erbacee della R. Università di Milano, 1938. 73.1 Av1
- KAISER, E. R. The use of bituminous coal in the dehydration of alfalfa and other forage crops. Columbus, O., Battelle memorial institute, 1938. Processed. 60.3 K12
- MARTINEAU, G., and EASTICK, F. C. Sugar. Ed. 7. London, Pitman, 1938. (Pitman's common commodities and industries) 65 M36 Ed.7

-----  
PRINCIPAL LIBRARY ACCESSIONS

Field Crops (continued)

- METAGRIN, A. Le soja et les industries du soja. Paris, Gauthier-Villars, 1939. 60.3 M413  
PARAHIBA, BRAZIL (State) SERVIÇO DE MELHORAMENTO DO ALGODÃO. Escola de agronomia do nordeste. By C. V. de Oliveira Faria. Areia, Brazil, 1938. 72 P212

Food, Nutrition

- LORZ, F. Kriegsernährungswirtschaft und nahrungsmittelversorgung von weltkrieg bis heute. Hannover, Schaper, 1938. 389 L89  
MORGAN, H. You can't eat that! A manual and recipe book for those who suffer either acutely or mildly from food allergy. New York, Harcourt, Brace, 1939. 389.1 M824  
CONGRÈS INTERNATIONAL DE L'ALIMENTATION RATIONNELLE DU DÉTAIL, Paris, 1900. Compte rendu. Paris, Impr. Nationale, 1900. 389.79 C762C

Forestry

- SCHENCK, C. A. Fremdländische wald- und parkbäume. Berlin, Parey, 1939. 99.3 Sch2  
STEVENSON, H. I. The forests of Manitoba. Winnipeg, 1938. (Manitoba. Economic survey board. Project no. 8) Processed. 99.21 St4  
THOMSON, T., and JERRAM, M.R.K. An outline of forestry. London, Murby, 1938. 99 T38

Genetics

- WADDINGTON, C. H. An introduction to modern genetics. London, Allen & Unwin, 1939. 443 W11

Horticulture

- CHASSET, L. Manuel d'arboriculture fruitière. Villefranche. "Réveil du Beaujolais", 1938. 92.5 C382  
CONGRÈS INTERNATIONAL DU RAISIN ET DU JUS DE RAISIN. 2d, Maroc, 1939. Rapports présentés par les différents pays viticoles sur les questions à l'ordre du jour du Congrès. Paris, Gamber, 1938 [i.e. 1939] (Supplément au Bulletin de l'Office international du vin. no. 132, mai 1939) 95.09 C762 2d  
DIEHL, R. La pomme de terre, caractères et description des variétés. Paris, Impr. nationale, 1938. (Monographies publiées par les stations et laboratoires de recherches agronomiques) 75 D562  
GARDNER, V. R. and others. The fundamentals of fruit production. Ed. 2. New York, McGraw-Hill, 1939. (McGraw-Hill publications in the agricultural sciences) 93.21 G17 Ed.2

-----  
PRINCIPAL LIBRARY ACCESSIONS

Horticulture (continued)

- MAURER, E. Die unterlagen der obstgehölze. Berlin, Parey, 1939. 93.5 M44  
MORSE, Mrs. H. K. Gardening in the shade. New York, Scribner, 1939.  
97.2 M83

Irrigation

- CEYLON. DEPT. OF IRRIGATION. Report of the Topawewa scheme. Colombo,  
Ceylon, Ceylon govt. press, 1938. (Ceylon. Sessional paper 20, 1938)  
55 C33R

Marketing

- FOWKE, V. C. Recent trends in marketing. Seattle, 1937-38. Typewritten.  
280.3 F82  
TEAGUE, C. C. 10 talks on citrus marketing. Los Angeles, 1939. 280.393 T22

Mathematics

- McGEE, R. V. Mathematics for students of agriculture. College Station,  
Tex., 1938. 325 M17

Medicine, Hygiene

- LONG, P. H., and BLISS, E. A. The clinical and experimental use of sulfanila-  
mide, sulfapyridine and allied compounds. New York, Macmillan, 1939. (Mac-  
millan medical monographs) 448 L852  
NIEMOELLER, A. F. Superfluous hair and its removal. New York, Harvest house,  
1938. 449.2 N55  
SHATTUCK, G. C., and others. A medical survey of the Republic of Guatemala.  
Washington, D.C., 1932. (Carnegie institution of Washington. Publication  
no. 499) 449.1 Sh22

Mineralogy

- ENGLISH, G. L. Descriptive list of the new minerals, 1892-1938, containing  
all new mineral names not mentioned in Dana's System of mineralogy, 6th  
ed., 1892. New York, McGraw-Hill, 1939. 398 En3D

Nature Study

- JAKES, H. E. Living things, how to know them. Mt. Pleasant, Ia, Author,  
1939. (Pictured-key nature series) 409.5 J27

Parks

- SHREWSBURY CORPORATION ESTATES COMMITTEE, Shrewsbury, Eng. The Quarry  
handbook. Ed. 2. Shrewsbury, Shrewsbury chronicle, 1936. 98 Sh9 Ed.2



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Personnel

NATIONAL INDUSTRIAL CONFERENCE BOARD. Plans for rating employees. New York, 1938. (Its Studies in personnel policy. no. 8) 249.3 N213

Petroleum

POGUE, J. E. Economics of the petroleum industry. New York, Chase national bank, 1939. 401 P75

Planning and Planning Board Publications

- FLORIDA. STATE PLANNING BOARD. Summaries of the Park, parkway and recreations area study and Forest resources survey for Florida. Prepared in cooperation with Florida Forest and park service, the United States Department of interior, National park service, the National resources committee, United States Forest service. Jacksonville, 1939. 280.7 F66Su
- MISSISSIPPI. STATE PLANNING COMMISSION. A bibliography of recent fugitive studies in population, prepared by P. B. Foreman and A. H. Haraway. Jackson 1938. Processed. 280.7 M692B
- MISSISSIPPI. STATE PLANNING COMMISSION. Chunky creek area in Lauderdale county. Mississippi. Jackson, 1938. Processed. 280.7 M692C
- MISSISSIPPI. STATE PLANNING COMMISSION. LAND PLANNING DIVISION. Land economy, Mississippi. Jackson. 1937. Processed. 280.7 M6923L
- SOUTH DAKOTA. STATE PLANNING BOARD. Mortgage status of farm land in South Dakota, January 1, 1938. Brookings, 1939. Supplementary report. Brookings, 1939. Processed. 280.7 S682Mo
- TENNESSEE. STATE PLANNING COMMISSION. Old age assistance in Tennessee, by D. W. Eagen. [Nashville?], 1938. Processed. 280.7 T250a

Poultry

GHIGI, A. Galline di faraone e tacchini. Milano, Hoepli, 1936. 47.3 G34

Soils

ELLIS, J. H. The soils of Manitoba. Winnipeg, 1938. (Manitoba. Economic survey board. Project no. 14) 56.22 E15

Technology

- MUDD, J. S. Leather finishes: their formulation, manufacture and application. New York, Chemical publishing co., 1939. 303 M88
- BOWLES, O. The stone industries. Ed. 2. New York, McGraw-Hill, 1939. 299 B68 Ed.2
- CONGRES INTERNATIONAL DES OLEAGINEUX, Paris, 1931. [Report] Paris, Secrétariat general [1931?] 207.9 C762

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Traffic Survey

OHIO. HIGHWAY PLANNING SURVEY. Statistical report of a road use survey of Ohio, 1936. Columbus, 1938. Processed. 289.62 Oh3

Veterinary Medicine

LEHNERT, E. B. Ein beitrag zur kenntnis der bluttypen des pferdes mit hilfe arteigener, hochwertiger, gruppenspezifischer isoimmunsera. Uppsala, Almqvist & Wiksells, 1939. 444 L522

STECK, W. Ein system der tilgung des gelben galtes (Strept. agalactiae-mastititis) der milchkühe. Bern-Leipzig, Haupt, 1939. 41 St37S

Wine

CONGRÈS MÉDICAL INTERNATIONAL POUR L'ÉTUDE SCIENTIFIQUE DU RAISIN ET DU VIN. 2d, Lisbonne, 1938. [Report] Montpellier, Impr. Causse, Graille & Castelnau, 1938. (Supplement au Bulletin international du vin de mai 1939) 390.9 C762 2d

Zoology

EYKMAN, C. De Nederlandsche zoogdieren. Rotterdam, De Vereeniging tot oprichting en instandhouding van een Natuurhistorisch museum, 1937. 412.3 Ey4

FESTSCHRIFT ZUR FEIER DES 60. GEBURTSTAGES (27. Mai 1920) von Friedrich Zschokke. Basel, Spittler, 1921. 411 F424

GREATOREX, C. W. Wild birds protected by law. London, Courier press, 1938. 413 G7922

IDAHO. UNIVERSITY. SCHOOL OF FORESTRY. First and second Idaho game management conferences held at the University of Idaho, Moscow, Dec. 8-10, 1937, and at University of Idaho, Southern branch, Pocatello, March 18-19, 1938. Moscow, 1938. (Its Bulletin no. 8, University of Idaho bulletin. vol. 33, no. 22. Dec. 1938) 412.9 Id13

LINCOLN, F. G. The migration of American birds. New York, Doubleday, Doran, 1939. 413 L63M

MELVEN, J. The fur industry of Manitoba. Winnipeg, 1938. (Manitoba. Economic survey board. Project no. 13) Processed. 412.62 M49

TICEHURST, C. B. A systematic review of the genus Phylloscopus (willow-warblers or leaf-warblers) London, British museum, 1938. 413 T43S

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- Apstein, Carl, Comp. Periodica zoologica, abkürzungsverzeichnis der wichtigsten zeitschriften-titel aus dem gebiet der zoologie und ihrer grenzgebiete, bearb. von professor C. Apstein und K. Wasikowski. Leipzig, Akademische verlagsgesellschaft, 1938. 82 p. 241.73 Ap7
- California. Dept. of education. Division of adult and continuation education. Annotated bibliography on adult education. WPA program of the California State department of education, Division of adult and continuation education. Los Angeles [1938]. 2 v. Processed. 241.25 C12
- Illinois. University. College of agriculture. A list of books on farming, homemaking and rural life for farmers and homemakers. Urbana, University of Illinois, College of Agriculture [1939]. 31 p. (University of Illinois bulletin, v. 36, no. 41) 241 I16L

## U. S. Department of Agriculture

## Bureau of Agricultural Economics

- Egg auctions: selected references. Compiled by Helen Brown, library. July 1939. 20 p. (Economic library list no. 4) 1.9 Ec73E

## Bureau of Entomology and Plant Quarantine

- A bibliography of quassia. By R. L. Busbey. June 1939. 56 p. (E-483) 1.9 En83

- List of common names used for species of Derris in connection with insecticidal properties. By R. C. Roark. June 1939. 18 p. (E-477) 1.9 En83

## Office of Experiment Stations

- Bibliography on nutrition: an international problem. Compiled by Sybil L. Smith. [1939] 3 p. 1.9 Ex6B

## Forest Service

- List of translations on file at Forest products laboratory. Prepared by Alice Hudson Witwer, Senior library assistant, Forest products laboratory, Madison, Wisconsin. Mar. 31, 1939. 1.9 F761Ltr

- List of publications, January 1 to June 30, 1939. [4] p. Issued by Forest products laboratory, Madison, Wisconsin. 1 F7692L

## Bureau of Plant Industry

- Early state laws regulating the sale of seeds. Compiled by Lena B. Wallace. Feb. 1939. 5 p. Issued by Division of Cereal crops and diseases. 1.9 P6917Ear

## Soil Conservation Service.

- Selected annotated bibliography on sedimentation as related to soil conservation and flood control. Compiled by Carl B. Brown and Farrell F. Barnes. June 1939. 40 p. (SCS-MP-20) Issued by Sedimentation division. 1.96 Ad6Mp

- Soil conservation and related subjects: a list of publications and conservation charts. Revised June 1939. 12 p. 1.96 R27Pu



INTERNATIONAL DIRECTORY OF AGRICULTURAL LIBRARIES

The International Institute of Agriculture, Rome, Italy, now has in press an "International Directory of Agricultural Libraries". A summary of the contents is as follows: (a) General agricultural libraries of over 2,000 volumes; (b) Agricultural libraries specialized in particular subjects, including small libraries; (c) Agricultural collections in general libraries (limited mainly to university libraries); (d) Centres of agricultural documentation.

The announcement of the directory states: "It has been attempted as far as possible to give for every library the following elements:

(1) The history of the library; (2) Contents of the library (subjects represented; size of the whole collection; special collections); (3) Library administration (cataloguing and classification systems, staff, etc.); (4) Use of the library (hours of opening, reading and reference rooms, external loans; annual average of readers and of circulation); (5) Relations with other libraries (interlibrary exchanges of publications and of duplicates; interlibrary loans within the country and with foreign countries); (6) Publications edited by the library; (7) Bibliography of writings on the library."

The text of the volume is in English and French. It contains 312 pages and the price is 25 Italian lire. Orders should be addressed to the International Institute of Agriculture, Villa Umberto I, Rome, Italy, and should be accompanied by a postal order or cheque.

- o - o - o - o - o -

CONGRESSES

Third international congress for microbiology, New York, Sept. 2-9, 1939.

General Secretary: Dr. Martin Henry Dawson, College of Physicians and Surgeons, Columbia University, 620 West 168th Street, New York City.

IV. Internationaler kongress für rassenhygiene (eugenik), Wien, 26-28 August, 1940. Geschäftsstelle: Berlin, W. 62, Eichenstrasse 11.

Seventh international botanical congress, Stockholm, Sweden, July 17-25, 1940. Secretary: Dr. C. R. Florin, Riksmuseum, Stockholm, 50, Sweden.

Governmental research association conference, September 6-9, Princeton, New Jersey.

- o - o - o - o - o -

-----

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Agricultural Adjustment Administration

- CLARK, D. The farmer as co-administrator. Pub. Opinion Quar. 3: 482-490. July 1939.
- DUGGAN, I. W. The cotton export subsidy. Sphere 24(1): 20, 29. July 1939.
- EVANS, R. M. Wheat loans. Amer. Miller 67(7): 43. July 1939.

Bureau of Agricultural Economics

- BAKER, O. E. Population prospects and agricultural implications. (Address) Ann. Meeting, Amer. Butter Inst., Proc. (1938) 30(1): June 1939.
- BURNS, R. E. Progress in shrinkage tests of growers' clips. Natl. Wool Grower 29(7): 17-18, 28. July 1939.
- LARSON, O. F. Resume of farm population mobility in the Southern Great Plains. Tex. Ext. Serv. News 25(9): 4. June 1939.
- MEAL, W. G. The Federal-State inspection service and the watermelon industry. (Address) Ann. Meeting, Melon Distributors Assoc., Proc. (1939) 25: 39-43.
- PARKER, E. C. The United States Grain Standards Act. The Miller (London) 65(3150): 475-476; (3151): 496. June 5, 12, 1939.
- SHERMAN, C. B. Rural poetry in the South. South. Lit. Messenger 1: 461-465. July 1939.
- Toward cutting marketing costs. Better Crops With Plant Food 23(6): 14-16, 40-41. June-July 1939.
- SPILMAN, H. A. The Perishable Agricultural Commodities Act and its enforcement. (Address) Wash. State Col. of Agr., Fruit Marketing Inst. (1939) p. 1-11. (Mimeographed)
- TAYLOR, C. C. (Book Review) Tom Watson, agrarian rebel, by C. Vann Woodward. New York, Macmillan Co., 1938. Rural Sociol. 4: 252-254. June 1939
- The interdependence of rural and urban women. (Address) Rural Amer. 17(3): 3-4. Mar. 1939.
- The work of the Division of Farm Population and Rural Life. Rural Sociol. 4: 221-228. June 1939.
- THOMSON, C. Maryland loose leaf floor - first shift in a three-century history. Tobacco 109(4): 17. July 27, 1939.
- WAUGH, F. V. (Book Review) The theory and measurement of demand, by Henry Schultz. Chicago, Univ. of Chicago Press, 1938. Jour. of Marketing 3: 299-301. Jan. 1939.

---

\*These lists are prepared by the offices under which they are listed with the exception of the Agricultural Adjustment Administration, the Farm Security Administration, and the Federal Surplus Commodities Corporation.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Animal Industry

- BURCH, D. S. A compass for mankind. Sci. Monthly 48: 366-371, April 1939.  
 Also in Bureau Veterinarian 15 (4): 1-4, July 1939.
- EATON, O. N. and SIMMONS, V. L. Hermaphroditism in milk goats. Jour. Hered. 30: 261-266, June 1939.
- MARSDEN, S. J. Research reviews. Turkey World 14 (7): 95, 98. July 1939.
- OLSEN, M. W. The value of periodical trap-nesting. Poultry Sci. 18: 232-235. May 1939.
- SCHOENING, H. W. Ways and means of controlling sleeping sickness in horses. Percheron News 1(2): 9-11, Apr. 1939.

Bureau of Agricultural Chemistry and Engineering

- ARONOVSKY, S. I., REID, J. D., DRYDEN, E. C., WHITEMORE, E. R. and LYNCH, D. F. J. Pulping with nitric acid. A review. Paper Indus. and Paper World 21: 41-48, 151-155, 335-343. April-June 1939.
- BRAMLEY, A. and BREWER, A. K. A thermal method for the separation of isotopes. Jour. Chem. Phys. 7: 553-554, July 1939.
- BOYNTON, J. O. Packing is important in naval stores products. The AT-FA Jour. 1(9): 14, June 1939.
- CAMPBELL, H. Notes on the tenderometer - Its application to the grading of peas intended for freezing. West. Canner & Packer 31: 113-114. May 1939.
- DEMING, W. E. and DEMING, L. S. Some physical properties of compressed gases. VI. The fugacity of carbon dioxide. Phys. Rev. 56: 108-112. July 1, 1939.
- FORT, C. A. Fats and waxes of Louisiana sugar cane varieties. The Sugar Bul. 17 (20): 3-4, July 15, 1939.
- Some effects of certain varietal characteristics of sugar cane on factory operation. The Sugar Bul. 17 (17): 1-2. June 1, 1939.
- GASTROCK, E. A. and LYNCH, D. F. J. Cost evaluation of bagasse for industrial utilization. Facts About Sugar 34 (6): 37-39. June 1939.
- HALE, W. S. A review of the 1938 literature pertaining to the field of cereal chemistry. Cereal Chem. 16: 449-455. July 1939.
- HALL, H. H. Survival of thermophilic food-spoilage organisms in stored white beet sugar. Food Res. 4: 259-267. May-June 1939.
- HEID, J. L. Texas fruit and vegetable juice products. The Canner 88 (25): 16-17, May 27, 1939; 88 (26): 16-17 & 28. June 3, 1939.
- HOLMAN, H. P. Non-food uses of American agricultural products. Indus. & Engin. Chem. 31 (5): 545-548. May 1939.
- JONES, D. B. and GERSDORFF, C. E. F. The effect of storage on the proteins of seeds and their flours. Soybeans and wheat. (Abstract) Jour. Biol. Chem. 128 (3): xlix, June 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Chemistry and Engineering (continued)

- JONES, D. B., and GERSDORFF, C.E.F. Studies on digestibility of proteins in vitro. VII. Liberation of cystine on tryptic digestion of casein, with observations on the instability of cystine towards alkali. Jour. Biol. Chem. 129: 207-223. July 1939.
- LOTHROP, R. E. The composition of honey and its utilization--relation of composition and viscosity. Amer. Bee Jour. 79: 130-133. Mar. 1939.
- MCNAUGHT, J. B. and DEEDS, F. (With R. R. Beard, Stanford Univ. School of Medicine) Effects of sulfanilamide, phenothiazine and thionol in experimental trichinosis. Soc. for Expt. Biol. and Medicine Proc. 41(1): 17-20. May 1939.
- MILNER, R. T. Report of the soybean analysis committee of the American oil chemists' society. Oil and Soap 16(7): 129-131. July 1939.
- NELSON, G. H., STRAKA, R. P. and LEVINE, M. Decomposition and gas production of cornstalks under anaerobic conditions at 28° to 30° C. Iowa State College Jour. Sci. 13(2): 161-180. Jan. 1939.
- PEDERSON, C. S., BEAVENS, E. A. and TRESSLER, C. K. Cooperative research on fruit juices at Geneva, New York. The Fruit Prods. Jour. 18 (11): 330-331. July 1939.
- SCHREIBER, W. T. (With O. C. Moore, Ala. Poly. Inst.) Experimental slasher for testing size formulas and conditions is economical and reliable in results. Textile World 89(8): 62. July 1939.
- SMART, H. F. Microbiological studies on commercial packs of frozen fruits and vegetables. Food Res. 4: 293-298. May-June, 1939.
- Further studies on the behavior of microorganisms in frozen cultivated blueberries. Food Res. 4(3): 287-292. May-June, 1939.
- STIRTON, A. J. and PETERSON, R. F. Arylstearic acids from oleic acid. Indus. & Engin. Chem. 31 (7): 856-858. July 1939.
- WHITTEMORE, E. R. ARONOVSKY, S. I. and LYNCH, D. F. J. A new conductometric method for analyzing kraft liquors. The Paper Trade Jour. 108(17): 33-40. Apr. 27, 1939.

Bureau of Dairy Industry

- GOULD, S. P., and WHITTIER, E. O. Fiber. U. S. Patent 2,167,202. Issued July 25, 1939.
- HALL, S. R., and DRYDEN, L. P. Dose-response relationship of androsterone by direct application to the capon's comb. Soc. Expt. Biol. and Med. Proc. 41: 378-382. June 1939.
- and DRYDEN, L. P. Influence of light on the response of the capon comb to directly applied androgen. (Abstract) Amer. Jour. Physiol. 126: P519-P520. July 1, 1939.
- and HUNT, J. D. Influence of season and other factors on the response of the capon comb to directly applied androsterone. (Abstract) Amer. Jour. Physiol. 126: P520-P521. July 1, 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Dairy Industry  
(continued)

- HODSON, R. E. (With J. C. Knott, and O. J. Hill, Wash. State Col.) Home grown roughages for dairy cattle. Wash. State Col. Ext. Bul. 250. Apr. 1939.
- HOLM, G. E. Industrial products of the dairy industry. Indus. and Engin. Chem. News Ed. 17: 348-349. May 20, 1939.
- NICOLET, B. H., and SHINN, L. A. The action of periodic acid on  $\alpha$ -amino alcohols. Amer. Chem. Soc. Jour. 61: 1615. June 1939.
- REED, O. E. The road ahead. Conn. Dairymen's Assoc. Proc. 1939: 98-103. Thirty years of progress in the dairy industry. Amer. Butter Inst. Proc. 1938, V. 1, 9 p.. (Each article is separately paged.) (Processed)
- Trends of the dairy industry. Ind. State Dairy Assoc. Rpt. 1939: 25-27.
- WHITTIER, E. O., and GOULD, S. P. Casein fiber. Indus. and Engin. Chem. News Ed. 17: 369. June 10, 1939.
- WOODWARD, T. E. Making and feeding grass and other silages. Assoc. South. Agr. Work. Proc. 1939: 89.

Bureau of Entomology and Plant Quarantine

- ANDRE, F. A synopsis of the American species of Chirothrips Haliday (Thysanoptera). Ent. Soc. Wash. Proc. 41: 192-204. June 1939.
- BACK, E. A. Psocids in dwellings. Jour. Econ. Ent. 32: 419-423. June 1939.
- BLACKMAN, M. W. A new genus and three new species of Scolytidae from Argentina and Bolivia (Coleoptera). Rev. de Ent. 10: 86-96. May 16, 1939.
- BLANTON, F. S. (With F. A. HAASIS, Cornell University) Transmission of the narcissus mosaic virus by aphids. Jour. Econ. Ent. 32: 469-470. June 1939.
- BOVING, A. G. Descriptions of the three larval instars of the Japanese beetle, *Popillia japonica* Newm. (Coleoptera, Scarabaeidae). Ent. Soc. Wash. Proc. 41: [183]-191. June 1939.
- BUSHLAND, R. C. Volatile oils as ovicides for the screwworm, *Cochliomyia americana* C. & P. Jour. Econ. Ent. 32: 430-431. June 1939.
- BYNUM, E. K., HALEY, W. E., and CHARPENTIER, L. J. Sources of infestation by the sugarcane borer and treatments for the destruction of overwintering borers. Internatl. Soc. Sugarcane Technol. Proc. Cong. (1938) 6: 597-610. 1939. Discussion, p. 610-611.
- CHISHOLM, R. D. Derris stability. Effect of temperature and light upon the decomposition of derris. Soap 15 (5): 103, 105. May 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine  
 (continued)

- CLARK, E. P. The constituents of certain species of *Helenium*. II. *Temulin*. *Amer. Chem. Soc. Jour.* 61: 1836-1840. July 1939.
- CLAUSEN, C. P. Some phases of biological control work applicable to sugarcane insect problems. *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 421-426. 1939.
- DOUGLAS, W. A. Rice field insects. *Rice Expt. Sta., Crawley, La. Bien. Report ...* (1937-1938): 17-19.
- DOUGLAS, W. A. (With T. C. RYKER, La. Agr. Expt. Sta., senior author) Pecky rice investigations. *Rice Expt. Sta., Crawley, La. Bien. Report...* (1937-1938): 19-20.
- GRISWOLD, C. L. Introduced pine sawfly. [*Acantholyda erythrocephala* (L)] *Jour. Econ. Ent.* 32: 467-468. June 1939.
- HOLLOWAY, T. L. Introductions and recoveries of parasites of sugarcane insects in continental United States. *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 258-261. 1939. Discussion, p.261-263.
- INGRAM, J. W. (With L. O. ELLISOR, La. Agr. Expt. Sta., senior author) Experiments with insecticides in the control of the sugarcane borer, *Diatraea saccharalis* (F.). *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 693-705. 1939.
- INGRAM, J. W., HALEY, W. E., and CHARPENTIER, L. J. Insect vectors of sugarcane mosaic in continental United States. *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 483-494. 1939. Discussion, p.495.
- INGRAM, J. W., and JAYNES, H. A. (With R. N. LOBDELL, Fla. Agr. Expt. Sta.) Sugar cane pests in Florida. *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 89-98. 1939.
- INGRAM, J. W., BYNUM, E. K., and DOUGLAS, W. A. A summary of investigations on the sugarcane beetle in Louisiana. *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 478-482. 1939.
- JAYNES, H. A. Further attempts to establish *Lixophaga diatraeae* (Townsend) and other sugarcane borer parasites in Louisiana and Florida, with recoveries in 1936 and 1937. *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 245-258. 1939.
- LAKE, E. W. Myiasis in domestic animals. *Amer. Vet. Med. Assoc. Jour.* 95(448): 47-49. July 1939.
- MARKWOOD, L. N. Funnel-heating device. *Science* 89: 612. June 30, 1939.
- MATHES, R., INGRAM, J. W., and HALEY, W. E. Preliminary report on studies of progenies of sugarcane crosses for susceptibility to sugarcane borer injury in Louisiana. *Internatl. Soc. Sugarcane Technol. Proc. Cong.* (1938) 6: 581-589. 1939.
- MURRAY, C. W., and RYALL, A. L. Removal of phenothiazine spray residues from apples. *Indus. and Engin. Chem. News ed.* 17: 407. June 20, 1939.
- NELSON, O. A. Preparation of calcium arsenates of low solubility. *Jour. Econ. Ent.* 32: 370-372. June 1939.
- NEWCOMER, E. J. Cooperation in scientific work. *Jour. Econ. Ent.* 32: 471. June 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- NOLAN, W. J. La crianza genética de la abeja. Rev. de Agr. Gob. Prov. de la Habana 5: [2056]-2073. June 1939.
- PATCH, L. H. Relation of number of European corn borers per infested corn plant to percentage of plants infected. Jour. Econ. Ent. 32: 387-393. June 1939.
- POTTS, S. F. Spraying woodlands with an autogiro for control of the gypsy moth. Jour. Econ. Ent. 32: 381-387. June 1939.
- SASSCER, E. R. Plant quarantine restrictions on the entry of sugarcane into the United States. Internatl. Soc. Sugarcane Technol. Proc. Cong. (1938) 6: 611-616. 1939.
- SCHECHTER, M. S., and HALLER, H. L. The identity of pyrethrosin with chrysanthin and non-identity with geigerin. Amer. Chem. Soc. Jour. 61: 1607-1609. June 1939.
- SCOTT, L. B., and MILAM, J. Cryolite dips as a control measure for the corn root webworm on newly set tobacco plants. Jour. Econ. Ent. 32: 469. June 1939.
- STAGE, H. H., and YATES, W. W. Ground beetles predatory on the eggs of Aedes mosquitoes. Ent. Soc. Wash. Proc. 41: 204-206. June 1939.
- STEINER, L. F. Distances traveled by newly hatched codling moth larvae. Jour. Econ. Ent. 32: 470. June 1939.
- STEINER, L. F., and FAHEY, J. E. The effects of neutral copper fungicides on tank-mix nicotine-bentonite in control of the codling moth. Jour. Econ. Ent. 32: 365-369. June 1939.
- SULLIVAN, W. N., GOODHUS, L. D., and HALLER, H. L. Rotenone series compounds. A study of toxicity to the housefly of optically active and inactive compounds of the rotenone series. Soap 15(7): 107, 109, 111, 113. July 1939.
- SUMMERS, J. N. The brown-tail moth (Nygma phaeorrhoea (Don.)). Mass. Forest and Park Assoc. Tree Pest Leaflet 39. [4]p. 1939.
- WOLFENBARGER, D. O., and BUCHANAN, W. D. Notes on elm twig crotch injuries produced by Scolytus multistriatus Marsham. Jour. Econ. Ent. 32: 377-381. June 1939.

Office of Experiment Stations

- YOUNGBLOOD, B. The present status of rural sociology in the South and desirable steps for its more adequate development. (Address) Rural Sociol. 4: 143-154. June 1939.

Farm Security Administration

- BAXTER, F. W. Coffee County, Alabama - a demonstration in county planning. Planning and Civic Comment 5(2.pt.1): 6-8. Apr.-June 1939.
- CRONIN, F. D. Displaced families in the land utilization program. Southwest. Social Sci. Quart. 20(1): 43-57. June 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Federal Surplus Commodities Corporation

PERKINS, M. Eating the surplus. Canning Trade 61(47): 7-8, 22. June 26, 1939.

Forest Service

- BROWN, A. A., and DAVIS, W. S. A fire danger meter for the Rocky mountain region. Jour. Forestry 37: 552-558. July 1939.
- BULL, HENRY. Loblolly pine versus cotton: a comparison of annual cellulose production per acre. Jour. Forestry 37: 570-571. July 1939.
- CAMPBELL, J. F. Servicing fire crews by airplane. Jour. Forestry 37: 531-538. July 1939.
- COLLETT, M. H. The slope scale. Jour. Forestry 37: 580-581. July 1939.
- FOX, G. D., and KRUSE, G. W. A yield table for well-stocked stands of black spruce in northeastern Minnesota. Jour. Forestry 37: 565-567. July 1939.
- HALL, J. A. The slab pile and logging waste. Jour. Forestry 37: 528-530. July 1939.
- JOHNSON, F. R. The National forests and the Mountain club. Trail and Timberline (245): 55-56. May 1939.
- LENTZ, G. H. Second-growth pine to sustain Southern pulp and paper industry. South. Pulp and Paper Jour. 2(1): 15. June 1939.
- LIEFELD, T. A. Marking and numbering trees with paint in stick form. Jour. Forestry 37(7): 584-585. July 1939.
- MATTOON, W. P. Swamp black gum or what? Jour. Forestry 37: 582. July 1939.
- MINCKLER, L. S. Genetics in forestry. Jour. Forestry 37: 559-564. July 1939.
- PAUL, B. H. Shrinkage of white oak as affected by position in the tree. Jour. Forestry 37: 572-573. July 1939.
- REYNOLDS, R. R. Improvement cuttings in shortleaf and loblolly pine. Jour. Forestry 37: 568-570. July 1939.
- RIGHTER, F. I. A simple method of making germination tests of pine pollen. Jour. Forestry 37(7): 574-576. July 1939.
- SHIRLEY, H. L. (Book review) The growth and nutrition of white pine (*Pinus strobus* L.) seedlings in cultures with varying nitrogen, phosphorous, potassium and calcium, by H. L. Mitchell. Black rock forest bul. 9. 135p. illus. Cornwall-on-the-Hudson, N.Y. 1939. Jour. Forestry 37: 587-588. July 1939.
- \_\_\_\_\_ and NEULI, L. J. The influence of soil nutrients on drought resistance of two-year-old red pine. Amer. Jour. Bot. 26: 355-360. June 1939.
- SHOEMAKER, LEN. Easterners ride the sky trails. Rocky Mt. Sportsman 3(2): 20-21, 42-43. July 1939.
- STOCKWELL, W. P. Preembryonic selection in the pines. Jour. Forestry 37: 541-543. July 1939.
- WINSLOW, C. P. Research in America. Wood 4: 253-255. June 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Plant Industry

- ABBOTT, E. V. Cytospora rot of sugarcane in Louisiana. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6: 447-457. 1939
- Red rot of sugarcane. (Abstract) Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:682-683. 1939.
- ANDERSON, D. B. (With J. H. MOORE, N. C. Agr. Expt. Sta., senior author) Some physical properties of cotton fibres without "growth rings": a note relative to. Textile Res. 9:325-328. July 1939.
- ARCENEUX, G. A., STOKES, I. E., BELCHER, B. A., and GIBBENS, R. T. jr. Border competition in sugarcane variety tests under Louisiana and Georgia conditions. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:403-419. 1939.
- Report of the Committee on technique of field experiments. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:387-390. 1939.
- A study of the relation between size of field sample and experimental errors of juice analysis and sugar-yield determinations in connection with sugarcane variety tests. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:744-759. 1939.
- ARTSCHWAGER, E. Illustrated outline for use in taxonomic description of sugarcane varieties. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:116-127. 1939.
- Relative usefulness and variability of vegetative characters in sugarcane taxonomy. (Abstract) Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:115. 1939.
- BRANDES, E. W., SARTORIS, G. B., and GRASSL, C.O. Assembling and evaluating wild forms of sugarcane and closely related plants. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:128-153. 1939.
- Presidential address. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:42-43. 1939.
- BROWN, E. (With W.L. GOSS, Calif. State Dept. Agr., senior author) Buried red rice seed. Amer. Soc. Agron. Jour. 31:633-637. July 1939.
- BROWN, I. C. and DROSDOFF, M. The chemical character of desert soils in relation to their genesis and morphology. Soil Sci. Soc. Amer. Proc. (1938) 3:269-273. [1939]
- CARDON, P. V. Certain developments in research with forage crops related to seed production and distribution. Internatl. Crop Impr. Assoc. Ann. Rpt. (1938) 20:5. [1939]
- Forage crop seed problems. Internatl. Crop Impr. Assoc. Ann. Rpt. (1938) 20:14-15. [1939]
- COOPER, W. C. Vitamins and the germination of pollen grains and fungus spores. Bot. Gaz. 100:844-852. June 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- DIEHL, W. W. Repositories for botanical type-specimens. Jour. Bot. 77:183-184. June 1939.
- EVANS, M. W. (With F. A. WELTON and R. M. Salter, Ohio Agr. Expt. Sta.) Timothy culture. Ohio Agr. Expt. Sta. Bul. 603. 54p. May 1939.
- FISCHER, G. W. Studies on the susceptibility of forage grasses to cereal smut fungi. III. Further data concerning *Tilletia levis* and *T. tritici*. Phytopathology 29:575-591. July 1939.
- GIDDINGS, N. J. A small cage for insect vectors used in plant inoculations. (Note) Phytopathology 29:649-650. July 1939.
- GILE, P. L. and LAKIN, E. W. The influence of soil colloids on the toxicities of sodium selenate and sodium selenite for millet. Soil Sci. Soc. Amer. Proc. (1938) 3:92-93. [1939]
- HAHN, G. G. Susceptibility of seedlings of *Ribes punctatum*, an Andine currant, to *Cronartium ribicola*. (Note) Phytopathology 29:643-644. July 1939.
- HARTLEY, C. Review. (Cochran, W. G. Some difficulties in the statistical analysis of replicated experiments. Empire Jour. Exp. Agr. 1: 157-175. 1938; Salmon, S. C. Generalized standard errors for evaluating bunt experiments with wheat. Jour. Amer. Soc. Agron. 30:647-663. 1938; Clark, A. and Leonard, W. H. The analysis of variance with special reference to data expressed as percentages. Jour. Amer. Soc. Agron. 31:55-66. 1939.) Phytopathology 29:657-658. July 1939.
- HEIN, M. A. Grass. Internatl. Crop Impr. Assoc. Ann. Rpt. (1938) 20:12-13. [1939]
- HOLLOWELL, E. A. Clover and miscellaneous legumes. Internatl. Crop Impr. Assoc. Ann. Rpt. (1938) 20:9-11. [1939]
- HOLMES, R. L. and HURST, L. A. Comparison of soil analyses with the response of sugarcane to fertilization. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:640-649. 1939.
- and O'NEAL, A. M. Improvements in the methods and equipment for weighing cane from experimental plots used by the Soil fertility division of the U. S. Bureau of plant industry. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:396-399. 1939.
- Preliminary studies on the correlation of cane juice analyses with soil analyses. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:314-325. 1939.
- A study of the number of stalks of cane required for accuracy in sampling experimental plots. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:760-764. 1939.
- HOLMES, R. S. Some observations on Ohio River alluvial deposits. Soil Sci. Soc. Amer. Proc. (1938) 3:323-329. [1939]

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- HURST, L. A. and HOLMES, R. L. Soil fertility and fertilizer studies with sugar cane in Louisiana. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:304-313. 1939.
- (With A. W. SKUDERNA and C. W. DOXTATER, Amer. Beet Seed Co.) A study of high and low levels of soil fertility response to two varieties of sugar beets. Amer. Soc. Agron. Jour. 31:649-652. July 1939.
- JENKINS, J. M. Biennial report of the Rice experiment station, Crowley, Louisiana, for the years 1937-1938. La. Agr. Expt. Sta. Rice Expt. Sta., Crowley Bien. Rpt. 1937/38: 1-15. [1939]
- JODON, N. E. Progress in improving rice varieties. La. Agr. Expt. Sta. Rice Expt. Sta., Crowley Bien. Rpt. 1937/38: 15-17. [1939]
- KELLOGG, C. E. Recent trends in soil classification. Soil Sci. Soc. Amer. Proc. (1938) 3:253-259. [1939]
- LAURITZEN, J. I. (With R. T. BALCH and C. A. FORT, Bur. Chem. and Soils) Resistance to inversion of sucrose in harvested sugarcane in Louisiana. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6: 809-819. 1939.
- LeCLERG, E. L. Methods of determination of physiologic races of *Rhizoctonia solani* on the basis of parasitism on several crop plants. Phytopathology 29:609-616. July 1939.
- Relative efficiency of quasi-factorial and randomized-block designs of experiments concerned with damping-off of sugar beets. Phytopathology 29:637-641. July 1939.
- McFADDEN, E. S. Early Blackhull resists stem rust in Texas. (Note) Phytopathology 29:644-645. July 1939.
- McKAIG, N. jr. and ROLLER, E. M. The effects of organic matter added to lysimeters containing Norfolk course sand. Soil Sci. Soc. Amer. Proc. (1938) 3:195-204. [1939]
- (With C. A. FORT, Bur. Chem. and Soils) The influence of the soil on the chemical composition of Louisiana sugarcane juices. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 319-325. 1939.
- and HURST, L. A. Preliminary chemical studies of four soil types in the Louisiana sugarcane district. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:296-302. 1939.
- McWHORTER, F. P. Botrytis blight of *Antirrhinum* related to trichome disposition. (Note) Phytopathology 29:651-652. July 1939.
- MATZ, J. Comparative study of sugarcane mosaic from different countries. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:572-580. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- MITCHELL, J. W. and BRUNSTETTER, B. C. Colorimetric methods for the quantitative estimation of indole (3) acetic acid. Bot. Gaz. 100:802-816. June 1939.
- MOON, J. W. Some field observations of the agronomic significance of compact subsoils. Soil Sci. Soc. Amer. Proc. (1938) 3:237-241. [1939]
- MORRISON, B. Y. Comments on the lily-flowered tulips. Real Gard. 2(4): 29-32. Aug. 1939.
- NAYLOR, A. W. (With K. C. HAMNER, Univ. Chicago) Photoperiodic responses of dill, a very sensitive long day plant. Bot. Gaz. 100:853-861. June 1939.
- NIXON, R. W. and GARDNER, F. E. Effect of certain growth substances on inflorescences of dates. Bot. Gaz. 100:868-871. June 1939.
- O'NEAL, A. M. and HURST, L. A. The more important soils of the sugarcane district of Louisiana and their physical characteristics. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:284-296. 1939.
- PENTZER, W. T. Methods of applying sodium bisulphite to grape packages for mold control. Blue Anchor 16(7):2. July 1939.
- RANDS, R. D. and DOPP, E. Pythium root rot of sugarcane. (Abstract) Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:680-681. 1939.
- and ABBOTT, E. V. Sugarcane diseases in the United States. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:202-212. 1939.
- REED, C. A. Walnut and hickory varieties for Pennsylvania. Pa. Nut Growers' Assoc. Rpt. Proc. Ann. Meet. 7:21-27. 1939.
- REECE, P. C. The floral anatomy of the avocado. Amer. Jour. Bot. 26: 429-433. June 1939.
- RICE, T. D. Soil color - its determination, nomenclature, and significance as a field man's problem. Soil Sci. Soc. Amer. Proc. (1938) 3:235-236. [1939]
- ROBINSON, B. B. The retting of fiber flax. Cord Age. Mag. 32:29-30, 34; (2):26, 28-29. July, Aug. 1939.
- ROBINSON, W. O., WHETSTONE, R. R. and BYERS, H. G. Studies on infertile soils. II. Soils high in barium. Soil Sci. Soc. Amer. Proc. (1938) 3:87-91. [1939]
- SANDO, W. J. A colchicine-induced tetraploid in buckwheat. Jour. Hered. 30:271-272. June 1939.
- SARTORIS, G. B. The behavior of sugarcane in relation to length of day. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:796-801. 1939.
- SCHAEFFER, T. C. Mineral stain in hard maples and other hardwoods. Jour. Forestry 37:578-579. July 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- SCHREINER, O. Edmund Cecil Shorey 1865-1939. Soil Sci. Soc. Amer. Proc. (1938) 3:555. [1939]
- and Anderson, M. S. Laboratory and field methods for determining fertilizer requirements of soils. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:650-663. 1939.
- Report of the Committee on soils. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:264-265. 1939.
- SMITH, N. R. The partial sterilization of soil by chloropicrin. Soil Sci. Soc. Amer. Proc. (1938) 3:188. [1939]
- SMITH, W. O. and BYERS, H. G. The thermal conductivity of dry soils of certain of the great soil groups. Soil Sci. Soc. Amer. Proc. (1938) 3:13-19. (Rec'd. July 5, 1939) [1939]
- STOKES, I. E. and GIBBENS, R. T. jr. Portable apparatus used for weighing sugarcane in agronomic experiments in Louisiana. Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:391-395. 1939.
- SUMMERS, E. M. A study of the common mosaic of sugarcane with special reference to strains of the virus. (Abstract) Internatl. Soc. Sugar Cane Technol. Cong. Proc. (1938) 6:564-565. 1939.
- THORP, J. and BALDWIN, M. New nomenclature of the higher categories of soil classification as used in the Department of Agriculture. Soil Sci. Soc. Amer. Proc. (1938) 3:260-268. [1939]
- TOOLE, E. H. and HOLLOWELL, E. A. Effect of different temperatures on the germination of several winter annual species of Trifolium. Amer. Soc. Agron. Jour. 31:604-619. July 1939.
- WESTOVER, H. L. Alfalfa. Internatl. Crop. Impr. Assoc. Ann. Rpt. (1938) 20:6-7. [1939]
- WIANT, J. S. and STEVENSON, J. A. (With S. S. IVANOFF, Texas Agr. Expt. Sta.) White rust of spinach. Phytopathology 29:616-623. July 1939.

Soil Conservation Service

- BAIRD, R. W. Watershed and hydrologic studies on the Blacklands experimental watershed. Agr. Engin. 20:273-276. July 1939.
- CALKINS, H. G. Men and nature must cooperate. Utah Educ. Rev. 32:169-172. Feb. 1, 1939.
- DISMUKE, D. (with Cooper, J. M.) The sheep industry of Indians in the southwest. Indians at Work 6(12): 13-19. Aug. 1939.
- KOHNKE, H. and DREIBELBIS, F. R. Methods of measuring soil erosion. Soil Research 6:232-241. 1939.

TRANSLATIONS RECEIVED IN THE LIBRARY

From University of Minnesota, Department of Agriculture:

- ABEL, G. Vergleichende untersuchungen über die widerstands fähigkeit von  
ruberkeibazillen und säurefesten saprophyten bestimmten chemikalien  
(antiformin, organischen und anorganischen sauren) gegenüber (Comparative  
investigations on the capacity of resistance of tubercle bacilli and  
acidfast saprophytes to certain chemicals (antiformin, organic and  
inorganic acids). Zentbl. f. Bak. Parasitenk. u. Infektionskrank.  
143: 225. Feb. 20, 1939. Film copy.
- ANDRIEU, A. La septicemia hemorragica de los bovinos en la Argentina  
(Hemorrhagic septicemia of cattle in Argentina). Rev. de Med. Vet.  
[Buenos Aires] 18: 187-225. Mch./Apr. 1936. Film copy.
- BER, A. Blunt-und temperaturuntersuchung bei mit Bangs-bazillen infizierten  
meerschweinchen und kaninchen. IV. Das blutbild, bei infizierten tieren.  
(Blood and temperature examination in the case of guinea pigs and rabbits  
infected with Bang bacilli. IV. The blood-picture of infected animals)  
Arch. Internatl. de Med. Expt. 13: 411. June 1938. Film copy.
- DIERNHOFER, KARL. Das problem der immunisierung gegen die Brucellose  
(The problem of immunization against Brucella). Deut. Tierärztl. Wchnschr.  
46: 659-661). Oct. 15, 1938. Film copy.
- EULER, H. Praktische vorschläge für das abortus-bekämpfungsvorfahren  
auf grund der in Ostpreussen gemachten erfahrungen (Practical suggestions  
for the abortus struggle treatment from evidence of the experiments made  
in East Prussia). Deut. Tierärztl. Wchnschr. 46: 673-677. Oct. 22, 1938.  
Film copy.
- FORTNER, J. Der stand der erkenntnisse über die ansteckende blutarmut der  
einhufer (The state of knowledge on infectious anaemia of the soliped).  
Deut. Tierärztl. Wchnschr. 47(4): 49. Jan. 28, 1939. Film copy.
- GERLACH, F. Virusstudien bei tollwut (Virus studies in rabies). Ztschr. f.  
Infektionskrank, Parasitäre Krank. u. Hyg. der Haustiere 53: 279-290.  
Aug. 1938. Film copy.
- JULLIEN, J. Sur l'eclosion et la diffusion des Brucelloses Epizootiques,  
passage possible des micro-organismes de l'humus aux invertébrés (annelides)  
aux végétaux à latex et aux animaux herbivores. Notes préliminaires (The  
multiplication and diffusion of Brucella Epizootics, possible passage of  
the micro-organisms of the soil to invertebrates (annelides) to plant  
saps and to herbivorous animals. Preliminary notes). Bul. del'Acad. Med.  
117: 330-337. March 16, 1937. Film copy.
- KIMURA, R. and MASUNAGA, N. Über isolierung und zuchtung des hühnerpest-  
virus (In regard to the isolation and cultivation of the chicken cholera virus).  
Zentbl. f. Bakt. Parasitenk. u. Infektionskrank. 143: 165. Feb. 20, 1939.  
Film copy.
- KÄSTLI, P. and SAXER, E. Beobachtungen über der verlauf der rinder-abortus  
Bang-Infektion in einem frischverseuchten milchviehbestand (On the  
progress of cattle-abortus Bang-infection in a recently infected herd of  
milk cattle. Schweiz. Arch. f. Tierheilk. 80: 530. Dec. 1938. Film copy.



TRANSLATIONS RECEIVED IN THE LIBRARY

From University of Minnesota, Department of Agriculture (continued)

- KLIMMER, M. Zur selektiven züchtung der abortus-Bang-bakterien aus einem an begleitbakterien reichen material (milch) (For selective breeding of Abortus-Bang bacteria from a material rich in accompanying bacteria (milk). Arch. f. Wiss. u. Prakt. Tierheilk. 73: 325-359. Aug. 18, 1938. Film Copy.
- MANNINGER, R. Ansteckungsversuche mit dem virus der ansteckenden blutarmut der pferde (Infection experiments with the virus of infectious anaemia of horses). Arch. f. Wiss. u. Prakt. Tierheilk. 73: 425-427. Nov. 1938. Film copy.
- MEYER, H. Haben sich die vom oberkommando des heeres am 21. 12. 1936 zur bekämpfung der ansteckenden blutarmut der pferde erlassenen bestimmungen als ausreichend zur tilgung der seuche innerhalb der wehrmacht erwiesen? (Have those in supreme command of the army on Dec. 21, 1936, shown sufficient determination in the struggle of infectious anaemia of horses to suffice for the extermination of germs within the defensive force?) Ztschr. f. Veterinärk. 50: 386-404. Sept. 1938. Film copy.
- SCHIEBE, H. Fehlerquellen bei der langsamagglutination auf Brucella bovis (Sources of error in the case of slow agglutination in Brucella bovis). Deut. Tierärztl. Wchnschr. 47(3): 34-38. Jan. 21, 1939. Film copy
- SIEVERS, H. K. Enfermedad de Bang (Aborto Epizootico) (Bang's disease (Epizootic Abortion)). Bol. del Min. de Agric. (Chile) 5: 130-150. Jan.-Mch. 1938. Film copy.
- ULRICH, H. Kameraden, Kollegen! (Comrades, Colleagues!) Prager Tierärztl. Arch. 18: 186-187. Sept./Oct. 1938. Film copy.
- WETZEL, R. Ein neues coccid (Cryptosporidium vulpis sp. nov.) aus dem Rotfuchs (A new coccid (Cryptosporidium vulpis sp. nov.) from the red fox.) Arch. f. Wiss. u. Prakt. Tierheilk. 74(1): 39-40. Dec. 1938. Film copy.
- ZWICK, W. Ueber die bornasche krankheit (Erwiderung zu der im 3 Heft des 53 Bandes dieser Zeitschrift erschienen Veröffentlichung von Dr. Kuno Holz) (On Borna's disease. Reply to the publication by Dr. Kuno Holz appearing in the 3d number of the 53d volume of this periodical). Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 54(1/2): 1-7. Dec. 1938. Film copy.
- TRAUB, E. Experimentelle untersuchungen über einen durch Taubenpassage veränderten Virusstamm der amerikanischen Pferde-encephalomyelitis. Zusammenfassung der Versuchsergebnisse und schlussfolgerungen. (Experimental investigations of a virus strain of the American horse encephalomyelitis transformed by a pigeon passage. Summary of results of experiments and arguments). Zentbl. f. Bakt. Parasitenk. u. Infektionskrank. 143(1): 21-22. Dec. 1938. Film copy.

---

The Division of Forest Management Research, Forest Service, U. S. Department of Agriculture, has issued an index to its mimeographed series of translations, nos. 1 to 348. The index is arranged by author, subject, and number.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK\*

## Alabama

- DICK, J. B. Fertilizers in relation to incidence of wilt as affecting a resistant and a susceptible variety. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 68. 1939. (In Coop. with U. S. Dept. Agr.)
- DUGGAR, J. F. Germination of untreated *Crotalaria spectabilis* seed in soil supplied with varied amounts of water; and effects on germination of delay in supplying moisture. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 54. 1939.
- ENGLISH, L. L. The toxicity of derris to larvae of the citrus whitefly. Jour. Econ. Ent. 32: 360-363. June 1939.
- SALMON, W. D. Livestock in relation to human nutrition. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 70. 1939.
- SEWELL, W. E. Studies of some factors involved in farm pork curing. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 72-73. 1939.
- SMITH, E. V., and MAYTON, E. L. The eradication of nut grass, *Cyperus rotundus* L., from Norfolk sandy loam soils by the tillage method. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 53-54. 1939.
- TISDALE, H. B. Variations in relation to cotton wilt, abstract of results obtained 1936-1938. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 67. 1939.
- VOLK, N. J. The oxidation-reduction potentials of Alabama soils as affected by soil type, soil moisture, cultivation, and vegetation. Jour. Amer. Soc. Agron. 31: 577-589. July 1939.
- VOLK, N. J. Potash for cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 32. 1939.

## Arizona

- BROWN, J. G. Permeability of the testa of normal and treated cotton seeds. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 185-186. 1939.
- GOTTLIEB, M., and BUTLER, K. D. A *pythium* root rot of cucurbits. Phytopathology 29: 624-628. July 1939.
- McGEORGE, W. T. Report on hydrogen-ion concentration of soils of arid and semi-arid regions. Jour. Assoc. Off. Agr. Chem. 22: 237. May 1939.

## Arkansas

- ENGLER, K., and CARTER, D. G. Ground water resources. Agr. Engin. 20: 263-264, 266. July 1939.
- SURE, B., THEIS, R. M., and HARRELSON, R. T. Vitamin interrelationships. I. Influence of avitaminosis on ascorbic acid content of various tissues and endocrines. Jour. Biol. Chem. 129: 245-253. July 1939.

---

\*Prepared in Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Arkansas (continued)

- THARP, W. H., and WADLEIGH, C. H. Effects of nitrogen, phosphorus, and potassium nutrition on the Fusarium wilt of cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 191. 1939. (In Coop. With U. S. Dept. Agr.)
- THARP, W. H., and WADLEIGH, C. H. The effects of nitrogen source, nitrogen level, and relative acidity on Fusarium wilt of cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 190-191. 1939. (In Coop. with U. S. Dept. Agr.)
- YOUNG, V. H. (With W. H. THARP, U. S. Dept. Agr.) Relation of unbalanced fertilization to the Fusarium wilt of cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 190. 1939.

## California

- ABBE, L. B., and CRAFTS, A. S. Phloem of white pine and other coniferous species. Bot. Gaz. 100: 695-722. June 1939. (L. B. Abbe, Univ. Minn.)
- ARK, P. A., and TOMPKINS, C. M. Bacteriosis of tuberous begonia. Phytopathology 29: 633-637. July 1939.
- ASMUNDSON, V. S. On the measurement and inheritance of sexual maturity in turkeys (*Meleagris gallopavo*). Amer. Nat. 73: 365-374. July-Aug. 1939.
- BABCOCK, E. B. (With R. GOLDSCHMIDT, Univ. Calif.) A mechanized exhibit of human heredity: Golden Gate exposition of Mendelism. Jour. Heredity 30: 235-236. June 1939.
- BOYCE, A. M., FREEMERGAEL, D. T., KAGY, J. F., and HANSEN, J. W. Dinitro-o-cyclohexylphenol in the control of mites on citrus and Persian walnuts. Jour. Econ. Ent. 32: 450-467. June 1939.
- BOYCE, A. M., KAGY, J. F., PERSING, C. O., and HANSEN, J. W. Studies with dinitro-o-cyclohexylphenol. Jour. Econ. Ent. 32: 472-450. June 1939.
- CRAFTS, A. S. The relation between structure and function of the phloem. Amer. Jour. Bot. 26: 172-177. March 1939.
- CRUESS, W. V. Summary of some observations on fruit and vegetable products in several European countries and Egypt. (Abstract) Fruit Proc. Jour. and Amer. Vinegar Indus. 18: 335-336. July 1939.
- EVANS, H. M. (With G. A. EMERSON, Univ. Calif.) Failure to produce abdominal neoplasms in rats receiving wheat germ oil extracted in various ways. Soc. Expt. Biol. and Med. Proc. 41: 318-320. June 1939.
- FLANDERS, S. E. The role of arrhenotoky in the adaptation of insects. Science 90: 82. July 28, 1939.
- HART, G. H., and COLE, H. H. Studies on the cause of increased growth during pregnancy. Soc. Expt. Biol. and Med. Proc. 41: 310-313. June 1939.
- JENNY, H., OVERSTREET, R. (With A. D. AYERS, Univ. Calif.) Contact depletion of barley roots as revealed by radioactive indicators. Soil Sci. 48: 9-24. July 1939.
- JENSEN, H., SIMPSON, M. E., TOLKSDORF, S., and EVANS, H. M. Chemical fractionation of the gonadotropic factors present in sheep pituitary. Endocrinol. 25: 57-62. July 1939. (H. Jensen, M. E. Simpson, and S. Tolksdorf, Univ. Calif.)



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- JOSLYN, M. A. Report on volatile acids in wine. Jour. Assoc. Off. Agr. Chem. 22: 210-220. May 1939.
- JUKES, T. H. The pantothenic acid requirement of the chick. Jour. Biol. Chem. 129: 225-231. July 1939.
- JUKES, T. H. (With T. D. SANFORD, F. E. Booth Co., Berkeley) The vitamin D requirement of young turkeys. Jour. Nutrition 18: 71-85. July 10, 1939.
- KAGY, J. F., PERSING, C. O., and MAXWELL, K. E. Fixation method for distinguishing dead and live black scale on citrus. (Note) Jour. Econ. Ent. 32:470. June 1939.
- LORENZ, F. W. Egg deterioration due to ingestion by hens of malvaceous materials. Poultry Sci. 18: 295-300. July 1939.
- MEAMBER, D. L., FRAENKEL-CONRAT, H. L., SIMPSON, M. E., and EVANS, H. M. The preparation of pituitary growth hormone free from lactogenic and thyrotropic hormones. Science 90: 19-20. July 7, 1939.
- MICHELbacher, A. E. Notes on Symphyla with descriptions of three new species of Symphylella from California. Pan-Pacific Ent. 15: 21-28. Jan. 1939.
- MORGAN, A. F. Fortification of foods with vitamins and minerals. Milbank Mem. Fund Quart. 17: 221-229. July 1939.
- OKEY, R. (With V. D. GREAVES, Univ. Calif.) Anemia caused by feeding cholesterol to guinea pigs. Jour. Biol. Chem. 129: 111-123. July 1939.
- RUDELPH, B. A. (With G. J. HARRISON, U. S. Dept. Agr.) Attempts to control Verticillium wilt of cotton and breeding for resistance. (Abstract) Assoc. South. Agr. Workers Proc. 4C(1939): 185. 1939.
- SHIMOTORI, N., EMERSON, G. A., and EVANS, H. M. Role of vitamin E in the prevention of muscular dystrophy in guinea pigs reared on synthetic rations. Science 90: 89. July 28, 1939. (N. Shimotori, G. A. Emerson, Univ. Calif.)
- SMITH, C. O., and COCHRAN, L. C. Rust on the California native pruni. (Note) Phytopathology 29: 645-646. July 1939.
- SMITH, H. S. Insect populations in relation to biological control. Ecol. Mong. 9: 311-320. July 1939.
- STEWART, M. A. A new prophylaxis for wound myiasis in domestic animals. Jour. Econ. Ent. 32: 404-407. June 1939.
- STOUT, P. R., and ARNON, D. I. Experimental methods for the study of the role of copper, manganese, and zinc in the nutrition of higher plants. Amer. Jour. Bot. 26: 144-149. March 1939.
- TAYLOR, L. W., and LERNER, I. M. Effect of varying levels of wheat bran on age at sexual maturity. Poultry Sci. 18: 323-326. July 1939.
- TELFORD, I. R., EMERSON, G. A., and EVANS, H. M. Reduced muscle creatine in paralyzed young E-low rats. Soc. Expt. Biol. and Med. Proc. 41: 315-319. June 1939. (I. R. Telford and G. A. Emerson, School of Medicine, Univ. Calif.)



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Colorado

- KREUTZER, W. A. Host-parasite relationships in pink root of *Allium cepa* L.  
I. The pigment of *Phoma terrestris*. *Phytopathology* 29: 629-632. July 1939.  
SIMONDS, A. O. Diozan dehydration for paraffin embedded *Fucus* slides.  
*Stain Tech.* 14: 101-102. July 1939.  
WILGUS, H. S., Jr., and PATTON, A. R. Factors affecting manganese utilization  
in the chicken. *Jour. Nutrition* 18: 35-45. July 10, 1939.

Florida

- ABBOTT, O. D. Human nutrition in relation to the social and economic life  
of the South. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 29-  
30. 1939.  
ALLISON, R. V. Leaching studies from Florida soils with various sources of  
nitrogen. *Com. Fert.* 59: 12, 14, 16. July 1939.  
DICKEY, R. D., and MO'RY, H. The effect of root-knot upon the subsequent  
growth of tung-oil (*Aleurites fordii*) seedlings. (Abstract) *Assoc. South.*  
*Agr. Workers Proc.* 40(1939): 141. 1939.  
INGRAM, J. W., JAYNES, H. A., and LOBDELL, R. N. Sugarcane pests in Florida.  
*Internat'l. Soc. Sugar Cane Tech. Proc.* 6(1938): 89-98. 1939. (J. W.  
Ingram and H. A. Jaynes, U. S. Dept. Agr.)  
KIRK, W. G. Peanuts. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939):  
76-77. 1939.  
SANDERS, D. A. Morphology of *Babesia canis*. *North Amer. Vet.* 20: 53-54.  
July 1939.  
SHEALY, A. L. The farm meat supply in winter. (Abstract) *Assoc. South. Agr.*  
*Workers Proc.* 40(1939): 74-75. 1939.  
WATSON, J. R. Control of mole crickets. *Citrus Indus.* 20: 14. May 1939.  
WEBER, G. F. Web-blight, a disease of beans caused by *Corticium microsclerotia*.  
*Phytopathology* 29: 559-575. July 1939.

Georgia

- ASCHAM, L. Public health cooperative nutrition program in Hancock and  
Glascocock counties, Georgia. (Abstract) *Assoc. South. Agr. Workers Proc.*  
40(1939): 133-134. 1939.  
COCHRAN, H. L. Root growth and distribution of the Perfection pimiento  
(*Capsicum frutescens* var. *grossum*). (Abstract) *Assoc. South. Agr. Workers*  
*Proc.* 40(1939): 147-148. 1939.  
COWART, F. F. Root distribution and root and top growth of young peach  
trees. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 142-143.  
1939.  
JENKINS, W. A. A new disease of snap beans. *Science* 90: 63. July 21, 1939.  
SELL, O. E. Technique in colchicine treatment of pasture plants and seeds.  
(Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 63-64. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Georgia (continued)

- SMITH, A. L. Progress in soil contamination studies with *Fusarium vasinfectum* Atk. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 190. 1939.
- STACY, S. V., SELL, O. E., and HADDEN, S. J. Time and rate of seeding soybeans and effect of time of harvesting on composition and acre yields. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 62-63. 1939.

## Idaho

- BLODGETT, E. C., and COLWELL, W. E. Relation of drought spot of prunes to boron content of fruit. (Note) Phytopathology 29: 650-651. July 1939.
- WILLIAMS, J. K., LAMPMAN, C. E., and BOLIN, D. W. The efficiency of carotene as supplied by alfalfa meal in meeting the vitamin A requirements of laying hens. Poultry Sci. 18: 268-275. July 1939.

## Illinois

- HAMILTON, T. S. Some fundamental principles of animal nutrition. North Amer. Vet. 20: 17-27. July 1939.
- SHAWL, R. I. Using power and equipment. Amer. Poultry Jour. 70: 16. May 1939.
- SHIELDS, J. B., MITCHELL, H. H., and RUTH, W. A. The effect of apple constituents on the retention by growing rats of lead contained in spray residues. Jour. Nutrition 18: 87-97. July 10, 1939.

## Indiana

- BAINES, R. C., and CUMMINS, G. B. Antiaracnose of Lippia. (Note) Phytopathology 29: 654-656. July 1939.
- BAINES, R. C. Phytophthora stem rot of Viscaria. (Note) Phytopathology 29: 652-654. July 1939.
- BROWN, W. H. The application of the phosphatase test to butter. (Abstract) Ind. Acad. Sci. Proc. v. 48(1938): 34. 1939.
- BURKHOLDER, C. L. The effect of recent increase in government lead tolerance on spray practice. Ind. Hort. Soc. Trans. 78(1938): 85. 1939.
- BURKHOLDER, C. L., FORD, O. W., and JOHNSON, D. L. Lead and arsenic residues resulting from several spray schedules and materials, Lafayette, 1937. Ind. Hort. Soc. Trans. 78(1938): 139-143. 1939.
- BURKHOLDER, C. L. Plum and prune crop prospects at Purdue farm, Bedford, 1938. Ind. Hort. Soc. Trans. 78(1938): 143. 1939.
- BURKHOLDER, C. L. The theory and practice of first brood codling moth control. Ind. Hort. Soc. Trans. 78(1938): 132-134. 1939.
- DAVIS, J. J. Oriental fruit worm control with parasites. Ind. Hort. Soc. Trans. 78(1938): 33-35. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Indiana (continued)

- FICHT, G. A. The development of a second generation of the European corn borer, *Pyrausta nubilalis* Hbn., in Indiana. Ind. Acad. Sci. Proc. v. 48(1938): 211-215. 1939.
- FORD, O. W. Report on potash. Jour. Assoc. Off. Agr. Chem. 22: 280-288. May 1939.
- HORAT, L. E. Report on acid- and base-forming quality of fertilizers. Jour. Assoc. Off. Agr. Chem. 22: 289-297. May 1939.
- McCLINTOCK, J. A. Experiences with sulphonated oil. Ind. Hort. Soc. Trans. 78(1938): 128-129. 1939.
- McCLINTOCK, J. A. Rootstock information of importance to Indiana orchardists. Ind. Hort. Soc. Trans. 78(1938): 116-124. 1939.
- MARSHALL, G. E. The control of the oriental fruit moth by mechanical means. Ind. Hort. Soc. Trans. 78(1938): 37-40. 1939.
- MARSHALL, G. E. The present status of the oriental fruit moth in Indiana. Ind. Hort. Soc. Trans. 78(1938): 128-129. 1939.
- MARSHALL, G. E. Recent studies and trends in codling moth control in Indiana. Ind. Hort. Soc. Trans. 78(1938): 100-102. 1939.
- PARFITT, E. H. Biophysical study of *Oospora lactis*. (Abstract) Ind. Acad. Sci. Proc. v. 48(1938): 34. 1939.
- PARFITT, E. H. Milking machines a source of thermoduric bacteria. (Abstract) Ind. Acad. Sci. Proc. v. 48(1938): 34. 1939.
- PARFITT, E. H. Significance of mold mycelia in butter. Amer. Butter Inst. Proc. 30(1938) 12 p. illus. [1939] Processed.

## Iowa

- BREWER, C. R., MICKELSON, M. N., and WERKMAN, C. H. Enzymic variability of *Aerobacter indologenes* as a function of growth conditions. Jour. Bact. 38: 114. July 1939.
- CALL, V. D., and WILCKE, H. L. Effect of single cereal grains upon the hatchability of eggs and subsequent growth of chicks. Poultry Sci. 18: 308-317. July 1939.
- CARLYLE, R. E., and NORMAN, A. G. A fermentation calorimeter for the study of heat evolution in the decomposition of plant materials. Jour. Bact. 38: 116. July 1939. (R. E. Carlyle, Iowa State Col.)
- ECK, J. C., and VAN PEURSEM, R. L. The dehydration of cholesterol. Iowa State Col. Jour. Sci. 13: 115-128. Jan. 1939.
- ERRINGTON, P. L. The comparative ability of the Bob-white and the Ring-necked Pheasant to withstand cold and hunger. Wilson Bul. 51: 22-37. March 1939.
- GIESE, H. (With W. D. SCOATES and N. C. IVES, Iowa State Col.) A study of temperatures under sheet steel roofs. Agr. Engin. 20: 267-270. July 1939.
- HAMMER, B. W. Bacteriological defects of butter. Amer. Butter Inst. Proc. 30(1938) 6 p. [1939] Processed.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Iowa (Continued)

- LANE, C. B., and HAMMER, B. W. Studies on the fat of cheddar cheese. Iowa State Col. Jour. Sci. 13: 149-155. Jan. 1939.
- LONG, H. F., and HAMMER, B. W. Effect of working butter on the growth of bacteria in it. Jour. Bact. 38: 110. July 1939.
- LOW, J. B. A comparison of spring migrations of some birds through Clay and Palo Alto counties, Iowa. Iowa State Col. Jour. Sci. 13: 187-200. Jan. 1939. (In Coop. with U. S. Dept. Agr.)
- McNUTT, S. H. (With F. E. WALSH, Iowa State Col.) Venereal infections of cattle: their manner of spread and their eradication. Vet. Med. 34: 468-473. Aug. 1939.
- MICKELSON, M. N., and WERKMAN, C. H. Pressure-aeration effects on the dissimilation of glucose by *Aerobacter indologenes*. Iowa State Col. Jour. Sci. 13: 157-160. Jan. 1939. (M. N. Mickelson, Iowa State Col.)
- MICKELSON, M. N., and WERKMAN, C. H. Production of trimethyleneglycol by *Aerobacter aerogenes*. Jour. Bact. 38: 113. July 1939. (M. N. Mickelson, Iowa State Col.)
- SILVERMAN, M., and WERKMAN, C. H. Adaptation of the propionic-acid bacteria to vitamin B<sub>1</sub> synthesis including a method of assay. Jour. Bact. 38: 25-32. July 1939. (M. Silverman, Iowa State Col.)
- SILVERMAN, M., and WERKMAN, C. H. Function of vitamin B<sub>1</sub> in anaerobic bacterial metabolism. Iowa State Col. Jour. Sci. 13: 107-113. Jan. 1939. (M. Silverman, Iowa State Col.)
- STANDEN, J. H. Prevalence of *Basisporium gallarum* in arrested axillary shoots and secondary ears of maize. (Note) Phytopathology 29: 656-657. July 1939.
- WIGGERT, W. P., SILVERMAN, M., UTTER, M. F., and WERKMAN, C. H. Note on the preparation of active cell-free juice from bacteria. Jour. Bact. 38: 111. July 1939.
- WOOD, H. G., GEIGER, C., and WERKMAN, C. H. Amino acid requirements of the heterofermentative lactic acid bacteria. Jour. Bact. 38: 112-113. July 1939.

## Kansas

- CAULFIELD, W. J., and MARTIN, W. H. The influence of three methods of cleaning the cream separator and cream storage temperature on the keeping quality of cream. Jour. Dairy Sci. 22: 583-589. July 1939.
- CONRAD, R. M. The effect of high temperature on the blood calcium of the laying hen. Poultry Sci. 18: 327-329. July 1939.
- DECKER, S. W. Greenhouse soils. Florists Exch. 93: 13, 15. July 1, 1939.
- HIDE, J. C., and METZGER, W. H. The effect of cultivation and erosion on the nitrogen and carbon of some Kansas soils. Jour. Amer. Soc. Agron. 31: 625-632. July 1939.
- MARTIN, W. H. The selection and use of flavor in making chocolate ice cream. Ice Cream Trade Jour. 35: 25, 30, 71-72. May 1939.
- MARTIN, W. H. Selection and use of serum solids for ice cream. Ice Cream Rev. 22: 86-88, 90. July 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Kansas (continued)

- NELSON, F. E., CAULFIELD, W. J., and MARTIN, W. H. Comparisons of the in-activation of phosphatase enzyme and the killing of *Escherichia-Aerobacter* organisms as criteria of satisfactory pasteurization of ice cream mix. *Jour. Dairy Sci.* 22: 535-541. July 1939.
- OTIS, C. K. Low-cost cooling for residences. *Agr. Engin.* 20: 279-282. July 1939.
- SAMPSON, F. R., and WARREN, D. C. Density of suspension and morphology of sperm in relation to fertility in the fowl. *Poultry Sci.* 18: 301-307. July 1939.
- WARREN, D. C. Spike blade - a heritable single comb variation in the fowl. *Jour. Heredity* 30: 257-260. June 1939.

## Kentucky

- EDWARDS, P. R., and BRUNER, D. W. The demonstration of phase variation in *Salmonella abortus-equi*. *Jour. Bact.* 38: 63-72. July 1939.
- GOOD, E. S. Pastures - Bluegrass Region. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 77-78. 1939.
- KARRAKER, P. E., and BORTNER, C. E. Availability of soil moisture, particularly as affected by depth, in the soil of the Kentucky experiment station farm at Lexington. *Jour. Amer. Soc. Agron.* 31: 653-660. July 1939.
- KARRAKER, P. E. Nitrogen removed by drainage and cropping from lysimeters as affected by kind of vegetative cover. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 58-59. 1939.
- McHARGUE, J. S., and HODGKISS, W. S. Report on less common elements in soils: fluorine in soil and other materials related to agriculture. *Jour. Assoc. Off. Agr. Chem.* 22: 249-251. May 1939.

## Louisiana

- BALLINGER, R. A. Cotton classification under the Smith-Doxey Act. (Abstract) *Assoc. South. Agr. Workers Proc.* 49(1939): 158-159. 1939.
- BALLINGER, R. A. Louisiana methods - the marketing of sweet potatoes. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 41-42. 1939.
- BAER, H. T. Notes on labor-saving devices. *Internatl. Soc. Sugar Cane Tech. Proc.* 6(1938): 544-548. 1939.
- BRAY, C. I. Silage crops. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 78-79. 1939.
- BROWN, H. B. Effect of inbreeding upland cotton for ten years. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 65. 1939.
- DUGAS, A. L. Trend in natural parasitism of sugarcane borer, *Diatraea saccharalis* (F.), by *Trichogramma* spp. *Internatl. Soc. Sugar Cane Tech. Proc.* 6(1938): 361-367. 1939.
- EDDY, C. O. An attempt to colonize *Hippodamia convergens*. *Internatl. Soc. Sugar Cane Tech. Proc.* 6(1938): 385-386. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Louisiana (continued)

- EDDY, C. O. Sugar and sugar products in insecticides. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 705-708. 1939.
- EDGERTON, C. W. Stubble deterioration. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 334-341. 1939.
- ELLISON, L. O. (With J. W. INGRAM, U. S. Dept. Agr.) Experiments with insecticides in the control of the sugarcane borer, *Diatraea saccharalis* (Fab.). Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 693-705. 1939.
- FORBES, I. L. Immunity studies with sugarcane mosaic. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 566-572. 1939.
- GOFF, O. E., and UPP, C. W. Some observations concerning sulfur in the diet of chicks - a preliminary report. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 165-166. 1939.
- KIMBROUGH, W. D. Louisiana methods (storing sweet potatoes). (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 40. 1939.
- LUSH, R. H. Nutritional deficiencies in southern livestock production. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 75-76. 1939.
- MILLER, J. C. Further studies and technic in sweet potato breeding in Louisiana. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 136-137. 1939.
- OSTERBERGER, B. A., and CHRISTIAN, M. B. Biology and importance of the sugarcane rootstock weevil, (*Anacetrinus subnudus* Buch.) in Louisiana. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 472-475. 1939.
- PERSON, L. H. Further studies on control of soil rot of sweet potatoes. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 179-180. 1939.
- PERSON, L. H. Seed and soil treatments for combating damping-off of tomatoes, eggplants, and peppers. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 180. 1939.
- PLAKIDAS, A. G. Bordeaux injury to cucumbers. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 181. 1939.
- RYAN, C. E., DAVIS, H. J., and UPP, C. W. The production of market ducklings under Gulf Coast conditions. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 162. 1939.
- RYKER, T. C. Leaf blotch, a new disease of rice and certain native plants in Louisiana. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 179. 1939.
- RYKER, T. C. The Rhizoctonia disease of Bermuda grass, sugarcane, rice and other grasses in Louisiana. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 198-201. 1939.
- SHAFFER, M. L. Seed selection and roguing in the practical control of mosaic disease of sugarcane in Louisiana. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 554-563. 1939.
- SHARP, S. S. Agar-agar, a new activator for nicotine sprays. Jour. Econ. Ent. 32: 394-395. June 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Louisiana (continued)

- STURGIS, M. B., and MOORE, J. R. Potassium and potassium fixation in Louisiana soils. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 56-57. 1939.
- TIMS, E. C. Dwarf or multiple bud disease of sugarcane in Louisiana. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 467-471. 1939.
- TIMS, E. C. Recent developments in sugarcane pathology. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 213-222. 1939.
- UPP, C. W. Breeding poultry for improvement in livability or viability. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 163-164. 1939.
- VOORHIES, M., and GRAYSON, W. M. An outline of recent sugar control programs and their effect on the Louisiana sugar industry. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 514-523. 1939. (M. Voorhies, La. State Univ.)

## Maine

- HAWKINS, J. Corrodentia as pests of ground feed. (Note) Jour. Econ. Ent. 32: 467. June 1939.

## Massachusetts

- FRANDSON, J. H. Milk is effective in a reducing diet. Milk Plant Mo. 28: 27-29. July 1939.
- HOLLAND, E. B., and RITCHIE, W. S. Report on zinc. Jour. Assoc. Off. Agr. Chem. 22: 333-338. May 1939.
- LYONS, M. E., and FELLERS, C. R. Potatoes as carriers of vitamin C. Amer. Potato Jour. 16: 169-179. July 1939.
- SHAW, J. K. New and practical developments of soil management in apple orchards. Pa. State Hort. Assoc. Proc. 80(1939): 66-67, 69-73. 1939.

## Michigan

- BRYAN, C. S. The relation of streptococcic mastitis to certain phases of milk sanitation. Jour. Milk Tech. 2: 32-40. Jan. 1939.
- FABIAN, F. W. What are frozen desserts? Jour. Milk Tech. 2: 75-83. March 1939.
- MOORE, L. A. The determination of blood plasma carotene in the bovine using a photoelectric colorimeter. Jour. Dairy Sci. 22: 501-511. July 1939.
- MOORE, L. A. Effect of pasture upon the carotene content of blood plasma of the bovine. Jour. Dairy Sci. 22: 513-519. July 1939.
- PORTER, T. Metabolism of normal pre-school children. III. Variations in nitrogen storage on constant diets. Jour. Amer. Dietet. Assoc. 15: 427-434. June-July 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

Minnesota

- BECKER, C. L. Inheritance studies in the interspecific cross *Solanum demissum* Lindl. x *S. tuberosum* L. Jour. Agr. Research [U. S.] 59: 23-39. July 1, 1939.
- COMBS, W. B. The relation of carbon dioxide gas to the keeping quality of butter. Ice and Refrig. 97: 3. July 1939.
- COULTER, S. T., and COMBS, W. B. The use of steapsin in the manufacture of Blue cheese. Jour. Dairy Sci. 22: 521-525. July 1939.
- HODSON, A. C. *Sarcophaga aldrichi* Parker as a parasite of *Malacosoma disstria* Hbn. Jour. Econ. Ent. 32: 396-401. June 1939.
- KRANTZ, F. A., and TOLAAS, A. G. The red Warba potato. Amer. Potato Jour. 16: 185-190. July 1939.
- LaCLERG, E. L. Methods of determination of physiologic races of *Rhizoctonia solani* on the basis of parasitism on several crop plants. Phytopathology 29: 609-616. July 1939.
- LaCLERG, E. L. Relative efficiency of quasi-factorial and randomized-block designs of experiments concerned with damping-off of sugar beets, Phytopathology 29: 637-641. July 1939.
- MACY, H., and OLSON, J. C. Preliminary observations on the treatment of parchment paper with sodium or calcium propionate. Jour. Dairy Sci. 22: 527-534. July 1939.
- OLSEN, O. W. *Dispharynx pipilonis*, a new spiruroid nematode from the red-eyed towhee. Amer. Midland Nat. 21: 472-475. March 1939.
- PHELPS, E. L., PETZEL, F. F., LORING, A. S., and NIELSON, E. A. A study of certain factors related to consumers' choices in the purchase of "silk" street dresses and silk yard goods. Jour. Home Econ. 31: 393-398. June 1939.
- TARASSUK, N. P., and PALMER, L. S. Study of physical and chemical properties of the adsorption "membrane" around the fat globules in cream. I. The effect of the adsorption "membrane" of synthetic creams on curd tension of cow's milk. Jour. Dairy Sci. 22: 543-558. July 1939.
- WISE, G. H., PETERSEN, W. E., and GULLICKSON, T. W. Inadequacy of a whole milk ration for dairy calves as manifested in changes of blood composition and in other physiological disorders. Jour. Dairy Sci. 22: 559-572. July 1939.
- WISE, G. H., GULLICKSON, T. W., and PETERSEN, W. E. Value of various vitamins and inorganic salts for overcoming symptoms manifested in calves restricted to a whole milk ration. Jour. Dairy Sci. 22: 573-582. July 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

## Mississippi

- ANDERSON, W. S. Production of sweet potatoes for starch. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 140. 1939.
- ANDREWS, W. B., and COWART, R. The effect of sources of nitrogen, and lime on the response of cotton to sources of phosphorus. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 54-55. 1939.
- ANDREWS, W. B., and COWART, R. The removal of nitrogen from commercial fertilizer and green manure crops of the Southeast and its probable influence upon the base supply of the soil. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 55. 1939.
- ANDREWS, W. B., and COLEMAN, R. The response of vetch and cotton to sodium. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 61. 1939.
- ASHLEY, T. E. A preliminary report on the productiveness of secondary and lateral peach shoots. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 143. 1939.
- BERLINER, V. R., SHEETS, E. W., and MOORE, J. S. Mineral research in animal nutrition. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 70-71. 1939.
- DICKINS, D. Finance and credit. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 126-127. 1939.
- FARISH, L. R. Tomato spacing when pruned to one stem and staked (progress report). (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 148. 1939.
- LANGSTON, J. M. Life history notes on the cowpea curculio, *Chalcodermus aeneus* Boh. Jour. Econ. Ent. 32: 374-377. June 1939.
- MILES, L. E. Effect of period and type of storage of cotton seed after treatment with organic mercury dusts. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 187. 1939.
- MILES, L. E. Some tests of varietal susceptibility to a combination of nematodes and cotton wilt. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 189. 1939.
- NEELY, J. W. Hopi cotton and a note on its phylogenetic relationship with the upland species. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 68-69. 1939.
- NEELY, J. W. Studies with recently developed cotton strains. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 65-66. 1939. (In Coop. with U. S. Dept. Agr.)
- ROBERTS, E. G. Soil depth and height growth of black locust. Jour. Forestry 37: 583-584. July 1939.
- SHEETS, E. W. Dr. W. R. Dodson's contribution to southern agriculture. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 80-81. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

## Missouri

- BOHN, G. W., and TUCKER, G. M. Immunity to Fusarium wilt in the tomato. Science 89: 603-604. June 30, 1939. (G. W. Bohn, Univ. Mo.)
- REID, W. H. E. Temperature's relation to the serving quality of butter. Amer. Butter Inst. Proc. 30(1938): 3. [1939] Processed.

## Montana

- HAY, W. D. Identification of Standard and Fairway strains of crested wheatgrass. Jour. Amer. Soc. Agron. 31: 620-624. July 1939.

## New Jersey

- BIEKART, H. M. Soilless rose culture. Florists Exch. 92: 14. June 10, 1939.
- BLAIR, A. W., PRINCE, A. L., and ENSWINGER, L. E. Effect of applications of magnesium on crop yields and on the percentages of calcium and magnesium oxides in the plant material. Soil Sci. 48: 59-75. July 1939.
- FOSTER, J. W. The heavy metal nutrition of fungi. Bot. Rev. 5: 207-239. April 1939.
- HEUKELEKIAN, H., and HEINEMANN, B. Studies of the methane-producing bacteria. I. Development of a method for enumeration. Sewage Works Jour. 11: 426-435. May 1939.
- HEUKELEKIAN, H., and HEINEMANN, B. Studies on the methane-producing bacteria. II. Enumeration in digesting sewage solids. Sewage Works Jour. 11: 436-444. May 1939.
- MCLEAN, H. C., and WEBER, A. L. Effect of insect residues and other factors on removal of spray residues from apples. Jour. Econ. Ent. 32: 357-360. June 1939.
- PRINCE, A. L. Report on nitrogen. Jour. Assoc. Off. Agr. Chem. 22: 263-270. May 1939.
- RIDENOUR, G. M., and HENDERSON, C. N. Impounding reservoir in stream purification with respect to sludge bank formation. Sewage Works Jour. 11: 498-511. May 1939.
- RUSSELL, W. C., TAYLOR, M. W., and DUNCAN, M. T. Bone development in normal and rachitic rats. Jour. Nutrition 18: 27-33. July 10, 1939.
- SHIVE, J. W., and ROBBINS, W. R. Mineral nutrition of plants. Ann. Rev. Biochem. 8: 503-520. 1939.
- UMBREIT, W. W. Studies on the Proactinomyces. Jour. Bact. 38: 73-89. July 1939.
- WOLF, B. Experiments with boron on some New Jersey soils. Soil Sci. 48: 41-57. July 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

New York (Cornell)

- BRUCHNER, J. H., and HUTT, F. B. Linkage of pea comb and blue egg in the fowl. Science 90: 88. July 28, 1939.
- FRAMPTON, V. L. Viscosimetric studies on the tobacco mosaic virus protein. I. Jour. Biol. Chem. 129: 233-244. July 1939.
- HALL, G. O. Breed variations in egg characters. Poultry Sci. 18: 282-287. July 1939.
- HUTT, F. B. An intrafollicular ovum laid by a fowl. Poultry Sci. 18: 276-278. July 1939.
- JOHNSTONE-WALLACE, D. B. Pasture improvement and the beekeeper. Amer. Bee Jour. 79: 282-284. June 1939.
- McCAY, C. M., ELLIS, G. H., BARNES, L. L., SMITH, C. A. H., and SPERLING, G. Chemical and pathological changes in aging and after retarded growth. Jour. Nutrition 18: 15-25. July 10, 1939. (L. L. Barnes and C. A. H. Smith, Cornell Univ.)
- McCAY, C. M., MAYNARD, L. A., SPERLING, G. (With L. L. Barnes, Cornell Univ.) Retarded growth, life span, ultimate body size and age changes in the albino rat after feeding diets restricted in calories. Jour. Nutrition 18: 1-13. July 10, 1939.
- MacLEOD, G. F. Some quantitative aspects of insect injuries to potato plants. Amer. Potato Jour. 16: 179-184. July 1939.
- MAYNARD, L. A. Nutrition and human welfare. Sigma Xi Quart. 27: 84-90. June 1939.
- PLATENIUS, H. Effect of temperature on the rate of deterioration of fresh vegetables. Jour. Agr. Research [U. S.] 59: 41-58. July 1, 1939.
- RECKNAGEL, A. B. Simplified growth determination with increment borer. Jour. Forestry 37: 582-583. July 1939.
- SANDERSON, D. The beginnings of rural social studies in the United States Department of Agriculture. (Note) Rural Sociol. 4: 219-221. June 1939.
- SHARP, P. F. The physical state of milk fat in relation to behavior of milk products. Amer. Butter Inst. Proc. 30(1938) 8 p. [1939] Processed.

New York State

- CONN, H. J. Can microorganisms be used to indicate nutrient deficiencies in soil? Jour. Bact. 38: 117-118. July 1939.
- CONN, H. J. Progress in the standardization of stains: standardization of staining solutions. Stain Tech. 14: 81-83. July 1939.
- DAHLBERG, A. C., HENING, J. C., and DURHAM, H. L. Reduction of milk losses in milk plants. Jour. Milk Tech. 2: 96-99. March 1939.
- NEBEL, B. R. Chromosome structure on coiling chromosomes. Amer. Nat. 73: 289-338. July-Aug. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (State) (Continued)

- PEDERSON, C. S., BEAVENS, E. A., and TRESSLER, D. K. Cooperative research on fruit juices at Geneva, New York. Fruit Prod. Jour. and Amer. Vinegar Indus. 18: 330-331. July 1939.
- TUKEY, H. B., and YOUNG, J. O. Histological study of the developing fruit of the sour cherry. Bot. Gaz. 100: 723-749. June 1939.

## North Carolina

- COLLINS, E. R. The application of fertilizers to southern crops. Com. Fert. 59: 20-24. July 1939.
- LEHMAN, S. G. Seedling survival as affected by certain mercury, copper, and zinc preparations not included in the regional cotton seed treatment tests for 1938. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 188. 1939.
- POOLE, R. F. The fungi that cause root rot and the possibilities of their control through soil treatment with chemicals. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 182. 1939.
- POOLE, R. F. The necessity of rotation of crops for the control of diseases of the sweet potato. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 180. 1939.
- SCHMIDT, R. Sweet potatoes - a summary of results of recent fertilizer experiments. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 137. 1939.
- TAYLOR, A. L., BARKER, H. D., and OWENS, O. P. Preliminary report on cotton wilt-nematode experiments at Lumberton, N. C. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 183-184. 1939.
- WILLIAMS, R. M. Rural youth studies in the United States. Rural Sociol. 4: 166-178. June 1939.

## North Dakota

- BUE, I. G., and MUNRO, J. A. Notes on the biology and control of the green-house stone cricket. (Note) Jour. Econ. Ent. 32: 468. June 1939.  
(I. G. Bue, N. Dak. Agr. Col.)
- HANSON, H. C. Fire in land use and management. Amer. Midland Nat. 21: 415-434. March 1939.

## Ohio

- GOURLEY, H. H., and WANDER, I. W. The lateral distribution of potassium in an orchard soil. Jour. Amer. Soc. Agron. 31: 590-597. July 1939.
- HUNT, C. H., WINTER, A. R., and BETHKE, R. M. Further studies on the riboflavin requirements of the chicken. Poultry Sci. 18: 330-336. July 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Ohio (continued)

- KENNARD, D. C., and CHAMBERLIN, V. D. Egg production and livability of pullets as affected by management. Poultry Sci. 18: 318-322. July 1939.
- SIMMONS, C. F. The effect of carbon dioxide pressure upon equilibrium of the system hydrogen colloidal clay-H<sub>2</sub>O-CaCO<sub>3</sub>. Jour. Amer. Soc. Agron. 31: 638-648. July 1939.

## Oklahoma

- BURK, E. F., and CORDNER, H. B. Fertilizer trials with Irish potatoes in Oklahoma. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 150-151. 1939.
- BURK, E. F. Vegetable growth as affected by the location of the heating cable in the hot bed. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 146-147. 1939.
- CORDNER, H. B. Curing temperature in relation to storage quality of three varieties of sweet potatoes. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 139. 1939.
- CORDNER, H. B. Temperature and other factors in relation to germination of potato sets and tubers. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 151-152. 1939.
- ROMSHE, F. A. Growth, production, and fruit quality of tomatoes grown under cloth. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 148-149. 1939.

## Oregon

- HAAG, J. R. The calcium and phosphorus contents of chickens of various ages. Poultry Sci. 18: 279-281. July 1939.
- HSIAO, T. Y., and MOTE, D. C. The cherry casebearer, *Coleophora pruniella* Clem., in Oregon. Jour. Econ. Ent. 32: 363-365. June 1939. (T. Y. Hsiao, Oreg. State Col.)
- McWHORTER, F. P. Application of fine grain processing and condenser illumination enlarging to photomicrography. Stain Tech. 14: 87-96. July 1939. (In Coop. with U. S. Dept. Agr.)
- McWHORTER, F. P. Botrytis blight of *Antirrhinum* related to trichome disposition. (Note) Phytopathology 29: 651-652. July 1939. (In Coop. with U. S. Dept. Agr.)
- POWERS, W. L. Foron as a fertilizer for western Oregon soils. Science 90: 36-37. July 14, 1939.

## Pennsylvania

- FORBES, E. B., BRATZLER, J. W., THACKER, E. J., and MARCY, L. F. Dynamic effects and net energy values of protein, carbohydrate and fat. Jour. Nutrition 18: 57-70. July 10, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Pennsylvania (continued)

FORBES, E. B., BLACK, A., THACKER, E. J., and SWIFT, R. W. The utilization of energy producing nutriment and protein as affected by the level of the intake of beef muscle protein. Jour. Nutrition 18: 47-56. July 10, 1939.

## Puerto Rico

BARTLETT, K. A. The introduction and colonization of the Amazon fly, *Metagonistylum minense* Tns., in Puerto Rico. Internatl. Soc. Sugar Cane Tech. Proc. 6(1938): 243-245. 1939.

BONNET, J. A. The nature of laterization as revealed by chemical, physical, and mineralogical studies of a lateritic soil profile from Puerto Rico. Soil Sci. 48: 25-40. July 1939.

## Rhode Island

SMITH, J. B., and DESZYCK, E. J. Report of magnesium and manganese in fertilizers. Jour. Assoc. Off. Agr. Chem. 22: 270-280. May 1939.

## South Carolina

ANDERSON, G. W., RINGROSE, R. C., and MORGAN, C. L. A study of fowl leukosis - the effect of adding wheat germ oil to the ration. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 164. 1939.

COOPER, H. P. Problems in plant, animal and human nutrition as related to the social and economic life of the South. Assoc. South. Agr. Workers Proc. 40(1939): 3-8. 1939.

CRALLEY, E. M. A study of virulence in relation to cultures of *Fusarium vasinfectum* Atk. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 188-189. 1939.

KILLINGER, G. B. The importance of barley, grain sorghums, and soybeans to the southeastern states. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 64. 1939.

KILLINGER, G. B. The importance of potash to southern agriculture. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 56. 1939.

MOSER, F. The influence of cropping practices on some physical and chemical properties of soil. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 60. 1939.

PADEN, W. R. The value of rapid chemical tests in determining fertilizer needs (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 33-35. 1939.

SCOTT, L. E. Response of peach trees to potassium and phosphorus fertilizers in the Sandhill Area of the Southeast. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 144. 1939.

WEINDLING, R. Variability of *Fusarium vasinfectum* Atk. in culture. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 188. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

## Tennessee

- ANDES, J. O. Difference in susceptibility of tomato varieties in Septoria and Macrosporium leaf spots. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 181. 1939.
- BUTLER, H. F. Tomato importations for breeding. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 149-150. 1939.
- MacINTIRE, W. H. Report on soils and liming materials. Jour. Assoc. Off. Agr. Chem. 22: 231. May 1939.
- MacINTIRE, W. H., and HAMMOND, J. W. Use of peroxides of calcium and magnesium in determination of fluorine content of soils, siliceous materials, and organics. Jour. Assoc. Off. Agr. Chem. 22: 231-236. May 1939.
- MacLEOD, F. L. Home economics research in progress in the South. Jour. Home Econ. 31: 374-377. June 1939.
- MacLEOD, F. L. Trends in home economics research in the South. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 132. 1939.
- SHAW, W. M. Report on liming materials. Jour. Assoc. Off. Agr. Chem. 22: 237-241. May 1939.
- SHAW, W. M. Report on the ammonium chloride-distillation procedure for the determination of exchangeable bases in soils. Jour. Assoc. Off. Agr. Chem. 22: 242-248. May 1939.
- SHERBAKOFF, C. D. Root-knot nematodes on cotton and tomatoes in Tennessee. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 183. 1939.
- WYLIE, C. E. (With T. B. HARRISON, Univ. Tenn.) Feed flavors and practical means of controlling them in dairy products. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 96. 1939.

## Texas

- EZEKIEL, W. N. Girdling of cotton plants as affecting survival of Phymatotrachium omnivorum. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 185. 1939.
- EZEKIEL, W. N. Relation of variations in rainfall in 1938 to prevalence of cotton root rot. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 184. 1939.
- FRAPS, G. S. Relation of nutrition to southern livestock production. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 69-70. 1939.
- FRAPS, G. S. Report on fertilizers. Jour. Assoc. Off. Agr. Chem. 22: 252-254. May 1939.
- FRIEND, W. H. Wound protectants for citrus trees. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 146. 1939.
- GRIMES, M. A. Clothing. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 127-128. 1939.
- HAMILTON, C. H. The farm leasing system of Texas. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 50. 1939.
- HANSON, F. E. Southern cheese problems. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 97-98. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Texas (continued)

- JANES, M. J. Observations on the potato psyllid in southwest Texas. (Note)  
Jour. Econ. Ent. 32: 468. June 1939.
- JONES, J. H. Judging fat lambs. Southwest. Sheep and Goat Raiser 9:8.  
March 15, 1939.
- McFADDEN, E. S. Early Blackhull resists stem rust in Texas. (Note)  
Phytopathology 29: 644-645. July 1939. (In Coop. with U. S. Dept. Agr.)
- MORRIS, H. F., and YARNELL, S. H. The commercial peach variety situation  
in Texas. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 142.  
1939.
- RATSEK, J. C. Rose propagation. (Abstract) Assoc. South. Agr. Workers  
Proc. 40(1939): 153. 1939.
- REED, H. M. The freezing storage of figs. (Abstract) Assoc. South. Agr.  
Workers Proc. 40(1939): 142. 1939.
- SMITH, H. P. Some needed engineering developments in southern farm machinery,  
(Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 171. 1939.
- Van VOLKENBERG, H. L. Species of helminth parasites of domestic animals in  
Texas. Vet. Med. 34: 465-467. Aug. 1939.
- WHITACRE, J. Changes in the southern diet suggested by food and nutrition  
research. (Abstract) Assoc. South. Agr. Workers Proc. 40(1939): 36.  
1939.
- WIANT, J. S., IVANOFF, S. S., and STEVENSON, J. A. White rust of spinach.  
Phytopathology 29: 616-623. July 1939. (In Coop. with U. S. Dept. Agr.)

## Virginia

- EDWARDS, A. D. The sociology of drought. Rural Sociol. 4: 190-202. June  
1939.
- HUGH, W. S. Dormant and delayed dormant sprays for the control of the rosy  
apple aphids in Virginia. Pa. State Hort. Assoc. Proc. 80(1939): 21-24.  
1939.
- HURT, R. H. Recent developments in fungicides for the control of peach and  
apple diseases. Pa. State Hort. Assoc. Proc. 80(1939): 13-17, 19-20. 1939.
- MOORE, R. C. Developing new varieties of apples at the Virginia experiment  
station. Va. State Hort. Soc., Va. Fruit 27: 14-15. July 1939.
- PINCKARD, J. A. Carbon dioxide evolution from certain soils in relation to  
black root rot of flue-cured tobacco. (Abstract) Assoc. South. Agr.  
Workers Proc. 40(1939): 182. 1939.
- SATORIUS, M. J. Vitamin C in Virginia apples. Va. State Hort. Soc., Va.  
Fruit 27: 13-14. July 1939.
- ZIMMERLEY, H. H. Correlation between soil nutrient levels and responses  
of vegetable crops to fertilizer treatments. (Abstract) Assoc. South.  
Agr. Workers Proc. 40(1939): 31. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Washington

- CARVER, J. S., HEIMAN, V., and COOK, J. W. A curative method for the assay of vitamin D with chicks. *Poultry Sci.* 18: 288-294. July 1939.
- SCHWARTZ, C. D., and HUBER, G. A. Further data on breeding mosaic-escaping raspberries. (Note) *Phytopathology* 29: 647-648. July 1939.
- VANDECAVEYE, S. C. Microbes as factors in soil fertility. *Better Crops with Plant Food* 23: 6-11, 43-45. June-July 1939.

West Virginia

- LEONIAN, L. H., and LILLY, V. G. Studies in the nutrition of fungi. II. Effect of inoculum on the growth of the colony. *Phytopathology* 29: 592-596. July 1939.

Wisconsin

- BRINK, R. A., KELLER, W., and EISENHART, C. Differential survival of alfalfa strains under an ice sheet. *Jour. Agr. Research [U. S.]* 59: 59-71. July 1, 1939. (W. Keller, U. S. Dept. Agr.)
- COOPER, D. C. Development of megagametophyte in *Erythronium albidum*. *Bot. Gaz.* 100: 862-867. June 1939.
- ELVEHJEM, C. A. Meat in animal and human nutrition as related to the social and economic life of the South. (Abstract) *Assoc. South. Agr. Workers Proc.* 40(1939): 27-28. 1939.
- ELVEHJEM, C. A. The vitamin B complex in practical nutrition. *Jour. Amer. Dietet. Assoc.* 15: 6-12. Jan. 1939.
- HEGSTED, D. M., QUACKENBUSH, F. W., PETERSON, W. H., BOHSTEDT, G., RUPEL, I. W., and KING, W. A. A comparison of alfalfa silages prepared by the A.I.V. and molasses methods. *Jour. Dairy Sci.* 22: 489-500. July 1939.
- PRYOR, D. E., and WALKER, J. C. A method for testing the toxicity of volatile compounds. (Note) *Phytopathology* 29: 641-643. July 1939. (D. E. Pryor, Univ. Wis.)
- RIKER, A. J. Physiological relations between host and parasite in crown gall - an example of basic biological research with plant materials. *Amer. Jour. Bot.* 26: 159-162. March 1939.
- ROBERTS, R. H., and STRUCKMEYER, B. E. The point of origin of the blossom-inducing stimulus. *Science* 90: 16. July 7, 1939.
- SCHNEIDER, H. A., ASCHAM, J. K., PLATZ, B. R., and STEENBOCK, H. The anti-acrodynic properties of certain foods. *Jour. Nutrition* 18: 99-104. July 10, 1939.
- WEST, P. M., and WILSON, P. W. Effect of biotin concentrates on growth of *Rhizobium* and related species. *Jour. Bact.* 38: 110-111. July 1939. (P. M. West, Univ. Wis.)
- WEST, P. M., and WILSON, P. W. The relation of "Coenzyme R" to biotin. *Science* 89: 607-608. June 30, 1939. (P. M. West, Univ. Wis.)

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1939\*

## Arizona

THORNBURG, M. L., and THORNBURG, P. M. Cooling for the Arizona home.  
31 p. illus. (Ariz. Agr. Col. Ext. Circ. 105.) Tucson, 1939.

## Florida

CROWN, R. M. Hog-lot equipment for Florida. 20 p. illus. (Fla. Univ. Agr. Ext. Bul. 101.) Gainesville, 1939.

BLACKMON, G. H., and others. Roses in Florida. 24 p. illus. (Fla. Univ. Agr. Ext. Bul. 102.) Gainesville, 1939.

A revision of Bul. 78.

Newell, W. 1938 report cooperative extension work in agriculture and home economics Agricultural extension service, University of Florida, Florida State college for women and United States Department of Agriculture cooperating. Report of general activities for 1938 with financial statement for the fiscal year ended June 30, 1938. 116 p. illus. Fla. Univ. Agr. Ext. 1939, Gainesville.

## Georgia

JOHNSON, G. I. and others. Terracing farm land in Georgia. 28 p. illus. (Ga. Agr. Col. Ext. Bul. 394, rev.) Athens, 1939.

GANNON, A. Culling and the selection of high egg producers. 14 p. illus. (Ga. Agr. Col. Ext. Bul. 451, rev.) Athens, 1939.

ALEXANDER, E. D. Crimson clover for fertilizer, feed and soil protection. 10 p. illus. (Ga. Agr. Col. Ext. Bul. 452, rev.) Athens, 1939.

## Hawaii

TOWER, B. A. A wire-floored back-yard poultry house for 25 hens. 14 p. diags. (Hawaii Univ. Agr. Ext. Circ. 8.) Honolulu, 1939.  
Mimeographed.

TOWER, B. A., and MURATA, K. A census of the poultry industry of Hawaii. 2 p. (Hawaii Univ. Agr. Ext. Circ. 9.) Honolulu, 1939.  
Mimeographed.

## Indiana

WARD, W. B., and others. More and better potatoes. 24 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 89, seventh rev. ed.) Lafayette, 1939.

GANNON, E. A., and RALSTON, J. C. Dairy calf club manual (for use in project work only). 24 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 143, 4th rev. ed.) Lafayette, 1939.

ALBRIGHT, W. P. How to tell the layers. 8 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 175, 2d rev. ed.) Lafayette, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1939

## Indiana (continued)

- WALLACE, E. T. Better bulls, better herds, larger profits: A living testimony to the value of good sires. 12 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 179, rev. ed.) Lafayette, 1939.
- BAKER, C. E. Raspberries and blackberries. Revised by Monroe McCown, J. J. Davis and R. C. Baines. 12 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 191, 2d rev. ed.) Lafayette, 1939.
- MCCOWN, M. Peach pruning suggestions. 12 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 194, rev. ed.) Lafayette, 1939.
- HARKER, D. H. Drainage methods. 24 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 220, rev. ed.) Lafayette, 1939.
- Prepared under cooperative agreement between the Bureau of Agricultural Engineering, United States Department of Agriculture and Purdue University Department of Agricultural Extension.
- LEHKER, G. E. Insects, how to collect and preserve them. 16 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 222, rev. ed.) Lafayette, 1939.
- SCHWAB, J. W. Raising ton litters in Indiana, fifteen years of experience. 8 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 223, rev. ed.) Lafayette, 1939.
- TROTH, EDNA 4-H club baking, third division (for use in project work only) 16 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 235.) Lafayette, 1939.
- TROTH, EDNA 4-H club baking, fourth division (for use in project work only) 16 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 236.) Lafayette, 1939.
- TROTH, EDNA 4-H baking club, fifth division (to be used for project work only) 28 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 237.) Lafayette, 1939.
- WARD, W. B. Helps for the home garden. 12 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 238.) Lafayette, 1939.
- LEHKER, G. E. Insect pests of the flower garden. 15 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 239.) Lafayette, 1939.
- LEE, O. C., and CRAIG, R. A. Plants in Indiana poisonous and injurious to livestock. 24 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 240.) Lafayette, 1939.
- FICHT, G. A. Present status of the European corn borer and recommendations for its control. Protect Indiana from the European corn borer. 8 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 241.) Lafayette, 1939.
- Asparagus. Prepared by the Division of Horticulture. 4 p. (Purdue Univ. Dept. Agr. Ext. Leaflet 176, 2d rev. ed.) Lafayette, 1939.
- References, p. 4.
- WARD, W. B. Growing tomatoes for the early market. 4 p. (Purdue Univ. Dept. Agr. Ext. Leaflet 182, rev. ed.) Lafayette, 1939.
- AINSWORTH, H. F. Some suggested solutions to problems confronting Indiana local 4-H club leaders. 6 p. (Purdue Univ. Dept. Agr. Ext. Leaflet 215.) Lafayette, 1939.
- LEE, O. C. Wild parsnips. 2 p. (Purdue Univ. Dept. Agr. Ext. Leaflet 216.) Lafayette, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1939  
(continued)

Kentuckey

- MONROE, ZELMA    A manual for officers and members of homemakers clubs.  
39 p.    (Ky. Agr. Col. Ext. Circ. 210, rev.)    Lexington, 1939.
- CATON, S.    Good eggs for market.    7 p. illus.    (Ky. Agr. Col. Ext. Circ.  
219, rev.)    Lexington, 1939.
- MAGILL, W. W.    Commercial strawberry growing in Kentucky.    22 p. illus.  
(Ky. Agr. Col. Ext. Circ. 295, rev.)    Lexington, 1939.

Louisiana

- TIEBOUT, G. L.    The Katahdin: A new white Irish potato for Louisiana  
planting.    4 p. illus.    (La. Agr. Col. Ext. Circ. 177.)    University, 1938.
- HOPKINS, C. O.    Termites.    4 p. illus.    (La. Agr. Col. Ext. Circ. 178.)  
University, 1938.
- McKEAN, A. S.    Planting pine seedlings.    4 p. illus.    (La. Agr. Col. Ext.  
Circ. 179.)    University, 1938.
- EDDY, C. O., and others.    Strawberry insects.    16 p. illus.    (La. Agr. Col.  
Ext. Circ. 180.)    University, 1939.
- WASSON, R. A.    Looking ahead in cotton production.    4 p. illus.    (La. Agr.  
Col. Ext. Circ. 181.)    University, 1939.
- WASSON, R. A.    One variety cotton improvement association.    8 p. illus.  
(La. Agr. Col. Ext. Circ. 182.)    University, 1939.
- WASSON, R. A.    How to fertilize cotton in Louisiana.    12 p. illus.    (La.  
Agr. Col. Ext. Circ. 183.)    University, 1939.

Maine

- SPAULDING, HELEN C.    Facts about fabrics.    12 p. illus.    (Maine Agr.  
Col. Ext. Bul. 263.)    Orono, 1939.
- HALL, H. W.    Raising pigs (for 4-H club members.    8 p. illus.    (Maine  
Agr. Col. Ext. Bul. 264.)    Orono, 1939.

Michigan

- HALLIGAN, C. P.    Landscaping the home grounds.    60 p. illus.    (Mich.  
State Col. Ext. Bul. 199.)    East Lansing, 1939.
- DAW, T. E.    Forest fire study for 4-H clubs (first year)    35 p. illus.  
(Mich. State Col. Ext. Club Bul. 31 (rev.))    East Lansing, 1939.
- DAW, T. E.    Forest fire study for 4-H clubs (second year)    20 p. illus.  
(Mich. State Col. Ext. Club Bul. 31A.)    East Lansing, 1939.
- BIRD, OLGA    Meal planning, 4-H food preparation, dinner project 3.  
36 p. illus.    (Mich. State Col. Ext. Club Bul. 32 (rev.))  
East Lansing, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1939  
(continued)

Minnesota

- LONGLEY, L. E. Making the home lawn. 16 p. illus. (Minn. Univ. Agr. Ext. Bul. 130, rev.) University Farm, St. Paul, 1939.
- EIDE, C. J. Fire blight of apples: Why it occurs and what to do about it. 4 p. illus. (Minn. Univ. Agr. Ext. Folder 71.) University Farm, St. Paul, 1939.
- Replaces Circ. 37.
- CLELAND, S. B. The organized farm management service. 6 p. illus. (Minn. Univ. Agr. Ext. Folder 77.) University Farm, St. Paul, 1939.
- MORRIS, W. E. 4-H beef project. 16 p. illus. (Minn. Univ. Agr. Ext. 4-H Bul. 3, rev.) University Farm, St. Paul, 1939.

Mississippi

- WHITE, E. H. Annual report of Cooperative Extension work in agriculture and home economics. Mississippi, 1939. 79 p. illus. (Miss. State Col. Ext. Bul. 105.) State College, 1939.
- HUNTER, F. M., and MONOSMITH, R. O. Propagating and growing plants with electric heat. 40 p. illus. (Miss. State Col. Ext. Bul. 106.) State College, 1939.

Missouri

- CARL, FLORA L. Canning fruits and vegetables. 8 p. illus. (Mo. Agr. Col. Ext. Circ. 406.) Columbia, 1939.
- Adapted from Farmers' Bul. 1762.

New York

- HOFFMAN, M. B. Strawberry culture. 43 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 404.) Ithaca, 1939.
- SANDERSON, D. Locating the rural community. 19 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 413.) Ithaca, 1939.

Ohio

- TUSSING, E. B. Potato growing in Ohio. 48 p. illus. (Ohio Agr. Col. Ext. Bul. 86, sixth ed., reprinted [i. e. rev.]) Columbus, 1939.
- Borrowing by farmers; When? Where? How? 8 p. (Ohio Agr. Col. Ext. Bul. 200.) Columbus, 1939.
- Facts about wool. 4 p. diagrs. (Ohio Agr. Col. Ext. Fact Ser. 30.) Columbus, 1939.

Oklahoma

- THOMPSON, MAE Color in dress. 9 p. illus. (Okla. Agr. Col. Ext. Circ. 364.) Stillwater, 1939.
- McPHERTERS, W. H. Handicraft. 64 p. illus. (Okla. Agr. Col. Ext. Circ. 366.) Stillwater, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1939  
(continued)

## Rhode Island

- BURGESS, P. S. Annual report for 1938 agricultural extension service, Rhode Island State College. 17 p. (R. I. State Col. Ext. Bul. 77.) Kingston, 1939.

## South Carolina

- PRICHARD, B. E. G. The cotton contest --- 1938 for better yield and staple value. 31 p. illus. (Clemson Agr. Col. (S. C.) Circ. 172.) Clemson, 1939.
- PHAGAN, C. V. Mower repairs and adjustments. 15 p. illus. (Clemson Agr. Col. (S. C.) Ext. Circ. 173.) Clemson, 1939.
- WATKINS, D. W. Extension work in South Carolina, 1938. A review of agricultural progress. Annual report of director of Cooperative Extension work, South Carolina, 1938. 137 p. illus. Clemson Agr. Col. (S. C.) [1939] Clemson.

## South Dakota

- JONES, S. W. Times look better! The 1939 outlook is mostly favorable. 8 p. (S. Dak. State Col. Ext. Circ. 379.) Brookings, 1939.
- BROWN, L. M., and PENN, R. J. A primer on cooperation. 23 p. (S. Dak. State Col. Ext. Circ. 380.) Brookings, 1939.
- DALE, L. L. Garden flowers for South Dakota. 24 p. illus. (S. Dak. State Col. Ext. Circ. 381.) Brookings, 1939.
- JACOBSEN, D. H. Making cheese on the farm: Cottage cheese making. (S. Dak. State Col. Ext. Circ. 382, p. 1-5.) Brookings, 1939.
- TOTMAN, C. C. Cheddar or American cheese making. (S. Dak. State Col. Ext. Circ. 382, p. 6-8.) Brookings, 1939.
- CAVE, R. A. Prevent weed-flavored cream. 4 p. illus. (S. Dak. State Col. Ext. Mimeo. Circ. 211.) Brookings, 1939.

## Utah

- SMITH, H. H. Profitable swine raising in Utah. 24 p. illus. (Utah Agr. Col. Ext. N. S. Circ. 99.) Logan, 1939.

## West Virginia

- HUMPHREYS, GERTRUDE Recreation for the community. 6 p. illus. (W. Va. Agr. Col. Ext. Adventures in Community Living, Good Living Ser. v. VII, Lesson no. 7.) Morgantown, [1939]

## Wisconsin

- Some factors affecting dairy income. 8 p. diagr. (Wis. Agr. Col. Ext. Spec. Circ. Econ. Inform. for Wis. Farmers v. 10, no. 6 [Sup.]) Madison, 1939.

NOTES ON PERIODICALS  
New, Changed and Discontinued

- American Dairy Goat News. Charlotte, N. C. Frequency not given. il. 40 v.1, no. 1, July 1939. \$1.00 a year.
- The Appalachian area apple marketer. Appalachian Apples, inc., W. Va. mo. 8° v.1, no. 1. Aug. 1938. \$1.00 a year.
- Central society for veterinary medicine. Journal. Tokyo. Ceased with v. 51, no. 7, July(?) 1938. Replaced by Japanese journal of veterinary science, Tokyo.
- Chicago academy of sciences. Leaflet. Lincoln Park, Chicago, Illinois. irregular. il. 8° no.1, Sept. 25, 1938. No price given.
- The Conservationist. Kansas City, Mo. Only one issue published, v.1, no.1, July 1938. Succeeded by official publication of The Conservation federation of Missouri, later Missouri wildlife.
- Horse and horseman. New York. Ceased with v. 22, no. 1, June 1939. Merged with Country life (New York) July 1939.
- The Indian Journal of Pharmacy. Benares Hindu University, Department of pharmaceuticals, Benares. quar. il. 8° v.1, no.1, Jan./Mar. 1939. Annual subscription, Rs. 4/- (free to Association members). Official publication of the United Provinces pharmaceutical association.
- Japanese journal of veterinary science. Prof. Osamu Emoto, managing editor, Japanese society of veterinary science, Tokyo Imperial university, Hongo, Tokyo. bi-mo., Feb. to Dec. plates. 8° v.1, no.1, Feb. 1939. Yen 10.00 annually. Replaces Journal of the Japanese society of veterinary science and Journal of the Central society for veterinary medicine (the two societies having merged).
- Japanese society of veterinary science. Journal. Tokyo. Ceased with v.17, 1938. Replaced by Japanese journal of veterinary science. Tokyo. (Official organ of a new society by the same name).
- The Microscope; the British journal of microscopy and photomicrography. London. Title changed to The Microscope and entomological monthly with v.3, no. 1, Jan. 1939.
- Mississippi farm research; a monthly bulletin from the Mississippi Agricultural experiment station. State College, Miss. 4°-f° il. vol.1, no.1, Oct. 15, 1938.
- Organised marketing. Sydney, Australia. Changed to The Poultry farmer with v.7, no.1, June 10, 1939.
- Scientia genetica, periodico di genetica per i paesi latini. Rosenberg & Sellier, Torino (III) Via Andrea Doria, N. 14. quar.? il. 8° v.1, fasc.1, Apr. 1939. L. 175.
- La Tierra, periodico de la Caja de crédito agrario. Santiago de Chile. Frequency not given. il. f° ano 1, num. 1, June 3, 1939. Precio: \$1.-
- Zeitschrift für pflanzenzüchtung. Berlin. Issued, Jan. 1930-Dec. 1933, as Reihe A of Zeitschrift für züchtung. May 1939, resumed original title. Original volume numbering continuous.
- Zeitschrift für züchtung. Berlin. Title discontinued, the parts A & B having resumed their original titles: Zeitschrift für pflanzenzüchtung and Zeitschrift für tierzüchtung und züchtungsbiologie.

SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during July 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Agricultural Adjustment Administration

Digest of the rural-urban women's conversations held on the invitation of the Secretary of agriculture, Washington, D. C., April 13, 14, 1939. (Prepared in the Division of information) 1939. 44 p. 1.94 Ad45Di

National conference of vegetable growers. Washington, D. C., July 6-7, 1939. 11 p. 1.94 Ad4Pv

Bureau of Agricultural Economics

Car-lot unloads of certain fruits and vegetables in 66 cities and imports in 4 cities for Canada. Calendar year 1938. May 1939. 66 p. 1.9 Ec74IU

Farm production and disposition. Chickens and eggs. 1909-1924. Chickens on farms, January 1, 1909-1924. June 1939. 13 p. 1.9 Ec71Fpc

Income parity for agriculture. Part I. Farm income. Sect 7. Income from corn. 109 p. 1910-38; Section 8. Income from flaxseed. 29 p. Calendar years, 1910-38. (Preliminary) July 1939. 1.9 Ec7Inp

A land-use classification of Benewah county, Idaho. By Carl Rjerandsen and Carroll Dwyer. 1939. 42 p. (Land economics reports, no. 3) 1.9 Ec76Le

Production costs and returns. By M. R. Cooper. June 1939. 38 p. 1.9 Ec762Pcr

Variations in the composition and grade of cottonseed produced in the states of Arkansas, Louisiana, Mississippi, and Tennessee, seasons of 1934/35 to 1937/38. By G. S. Meloy. June 1939. 14 p. 1.9 Ec733V

Bureau of Agricultural Engineering

Cotton gin operating and testing equipment. By Charles A. Bennett and Francis L. Gerdes. April 1939. 14 p. 1.9 En36Cot

Partial history of the development of grain harvesting equipment. Compiled by Lillian Church. 1939. 55 p. (Information series no. 72) 1.9 R531I

Bureau of Agricultural Chemistry and Engineering

The candying of citrus fruit peels, melons and similar products. (Prepared by Food research division) May 1939. 2 p. (Mc-60) 1.9 C49Mc

---

\* Bibliographies included in general list of bibliographies on page 445

\*\*For a list of the principal series issued regularly, See Agricultural Library Notes, v. 9, no. 10, p. 354.



SELECTED LIST OF PROCESSED PUBLICATIONS

## Bureau of Agricultural Chemistry and Engineering (continued)

Possibilities for industrial utilization of cellulosic agricultural by-products.  
By D. F. J. Lynch. 1939. 8 p. (MC-56) 1.9 C49MC

## Bureau of Dairy Industry

Association of breeders of purebred dairy cattle. July 1939. 1 p.  
BDIM-406) 1.9 D14As

## Bureau of Entomology and Plant Quarantine

Aids to the identification of the Mormon and Coulee crickets and their allies  
(Orthoptera; Tettigoniidae, Gryllacrididae). By Ashley B. Burney. June  
1939. 11 p. (E-479) 1.9 En83

Control of the earworm in sweet corn by fumigation. By George W. Barber.  
1939. 7 p. (E-485) 1.9 En83

The effect of plants of methyl bromide fumigation in Japanese beetle treatment  
tests; preliminary report. By Heber C. Donohoe and V. A. Johnson. June  
1939. 14 p. (E-482) 1.9 En83

Keys for the identification of some Lepidopterous larvae frequently inter-  
cepted at quarantine. By Hahn W. Capps. May 1939. 37 p. (E-475) 1.9 En83

Laboratory spraying and washing apparatus by Robert D. Chisholm. June 1939.  
2 p. (ET-149) 1.9 En83Et

Recommendations for the control of certain insects attacking vegetables,  
strawberries and raspberries. By W. H. White. June 1939. 14 p. (E-478)  
1.9 En83

Results of studies on Diphenylamine as a wound protector against the screw-  
worm, *Cochliomyia Americana* C. and P. By Roy Melvin, Henry E. Paris,  
Edward F. Knipling and Raymond C. Bushland. June 1939. 4 p. (E-480) 1.9 En8

A simple soil washer for large samples. By A. W. Morrill. June 1939.  
2 p. (ET-177) 1.9 En83 Et

Stand and lighting accessories for insect photography. By G. A. Runner and  
G. W. Still. 1939. 3 p. (E5-150)

The Strawberry weevil and its control. By W. A. Thomas. 1939. 3 p. (E-474)  
1.9 En83

A sturdy but compact soil sifter for field use. By A. W. Morrill. June 1939.  
3 p. (ET-148) 1.9 En83Et

SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Extension Service

- Effectiveness of dairy extension. A study of 192 dairy farms in Mercer, Hunterdon, and Warren counties, N. J., 1926. By M. C. Wilson and A. M. Hulbert. November 1927; reissued June 1939. 20 p. (Extension service circular 64) 1.9 Ex892Esc
- Participation in home-economics extension and effectiveness of the program; a study of 422 rural families in Aiken, Clarendon, and Kershaw counties, South Carolina, 1938. By Eleanor D. Carson and Gladys Gallup. June 1939. 44 p. (Extension service circular 313) 1.9 Ex892Esc
- Two trends of great agricultural significance. By O. E. Baker. June 1939. 19 p. (Extension service circular 306) 1.9 Ex892Esc

Farm Security Administration

- Expanding purchasing power in the south. Address by Dr. W. W. Alexander at Virginia Institute of public affairs, Charlottesville, Va., July 12, 1939. 18 p. 1.95 Aa8
- Housing for migratory agricultural workers. 1939. 8 p. 1.95 H812
- How the Farm security administration is helping needy farm families. Statement of Dr. Will Alexander. Introduced into the Record at the Hearings on Savings and investment before the Temporary national economic committee, May 24, 1939. 7 p. 1.95 Aa8
- Sorghum recipes. (Prepared by Bureau of home economics, U. S. Dept. of agriculture) 1939? 6 p. 1.95 So6
- The southern negro on the farm; his problems and what the FSA is doing about them. 1939? 7 p. 1.95 So8

Forest Service

- Architectural comments upon the design of small bridges and culverts. Prepared by W. Ellis Groben and Howard R. Jones. 1939. Issued by Division of engineering. 29 p. 1.9 F765AR
- Bearing strength of wood at angle to the grain. By J. A. Newlin. 1939. 2 p. (R-1203) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R
- Contributions of Forest products laboratory research to southern pulp and paper developments. By C. P. Winslow. 6 p. (R-1206) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R
- Effect of various pre-extractions on the lignin determination of wood. By E. E. Harris and R. L. Mitchell. 1939. 3 p. (R-1204) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R

SELECTED LIST OF PROCESSED PUBLICATIONS

## Forest Service (continued)

Forestry in relation to agriculture; papers delivered before the Forestry section of the Association of southern agricultural workers, Feb. 1, 2, and 3, 1939. 38 p. Issued by Southern region, New Orleans, La.  
1.9 F7669Fo

Forestry resources of North Georgia. By A. R. Spillers. A progress report by the Southern forest survey. 1939. 29 p. (Forest survey release no. 45) Issued by Southern forest experiment station, New Orleans, La.  
1.9 F7624F

Strength of bolted timber joints. By J. A. Scholten. 1939. 4 p. (R-1202) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R

The use of chemicals in forest fire control. By T. R. Truax. 1939. 12 p. (R-1199) Issued by Forest products laboratory, Madison, Wisconsin.  
1.9 F761R

Vegetation types and forest conditions of the Santa Cruz mountains unit of California. By Herbert A. Jenson. (Forest survey release no. 1) 55 p. 1939. Issued by California forest and range experiment station, Berkeley, California. 1.9 F7626 F

What can be done to make paint maintenance more successful. By F. L. Browne, 1938. 13 p. (R-1198) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R

## Graduate School

The adjustment of personality; a series of lectures at the Graduate school of the United States Department of agriculture, January-March 1939. By Homer P. Rainey [and others]. 1939. 171 p. 1.984 Ad4

How can science get support in a democracy. By A. J. Carlson. 1939. p. 221-237. (Lecture no. 9 in series of ten lectures and discussions on science: its history, philosophy, and relation to democracy) 1.9 Ag81Els

The place of science in democracy. By H. Levy. p. 239-266. (Lecture no. 10 in series of ten lectures and discussions on science; its history, philosophy and relation to democracy) 1.9 Ag81Els

Science and discourse. By Charles W. Morris. 1939. p. 159-195. (Lecture no. 7 in series of Ten lectures and discussions on science; its history, philosophy and relation to democracy) 1.9 Ag81Els

Society and organism. By Walter B. Cannon. 1939. p. 197-219. (Lecture no. 8 in series of ten lectures and discussions on science; its history, philosophy, and relation to democracy) 1.9 Ag81Els



SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Bureau of Home Economics

Food rich in calcium, phosphorus, and iron. 1939. 4 p. Issued by Food composition, of Foods and nutrition division. 1.982 T2F73

Division of Marketing and Marketing Agreements

Dairy statistics by geographic division. July 1939. 41 p. 1.94 D14Ds

Statement concerning the New Orleans milk market and the proposed marketing agreement and order. By Robert C. Tetro, and P. L. Miller. June, 1939. 91 p. 1.94 D14Sta

Statement concerning the Quad cities milk market and the proposed marketing agreement and order. By E. S. Harris, C. W. Smith, and P. L. Miller. July 1939. 115 p. 1.94 D14Sta

Bureau of Plant Industry

Chemical, milling, and baking experiments with hard red spring wheats, 1936. By C. C. Fifield and J. A. Clark. July 11, 1939. 22 p. 1.9 P6917Mil

Control of Bermuda grass. By L. W. Kephart. Issued by Division of cereal crops and diseases. 1939. 2 p. 1.966 C2C76

Control of dandelions in lawns. By L. W. Kephart. Issued by Division of cereal crops and diseases. June 1939. 3 p. 1.9 P6917Cd

The control of wild carrot. By L. W. Kephart. Issued by Division of cereal crops and diseases. June 1939. 2 p. 1.9 P6917Cw

Crabgrass control. By L. W. Kephart. Issued by Division of cereal crops and diseases. June 1939. 2 p. 1.9 P6917Cr

Development of seed testing. By E. Brown. Issued by Division of cereal crops and diseases. 1939. 11 p. 1.965 C3D49

The effect of pruning on the heartrot hazard in hardwoods. By Elmer R. Roth. June 1939. 10 p. Issued by Civilian conservation corps in cooperation with Forest pathology. 1.9 P693E

Eradication of Canada thistle with chemicals. By L. W. Kephart. June 20, 1939. 1 p. Issued by Division of cereal crops and diseases. 1.9 P6917Ec

Eradication of Johnson grass with chemicals. By L. W. Kephart. June 26, 1939. 2 p. Issued by Division of cereal crops and diseases. 1.9 P6917Ej

Eradication of water - hyacinths. By L. W. Kephart. June 27, 1939. 3 p. Issued by Division of cereal crops and diseases. 1.9 P6917Ew

SELECTED LIST OF PROCESSED PUBLICATIONS

## Bureau of Plant Industry (continued)

- The eradication of wild honeysuckle. By L. W. Kephart. June 12, 1939. 3 p.  
Issued by Division of cereal crops and diseases. 1.9 P6917Ewh
- Hemp - its production and use as a fiber crop. By B. B. Robinson, and A. H. Wright. June 1939. 9 p. Issued by Division of cotton and other fiber crops and diseases. 1.9 P6971H
- New aspects of weed control. By L. W. Kephart. Issued by Division of cereal crops and diseases. 1939. 3 p. 1.965 C2N42
- 1938 report of the uniform alfalfa nurseries, conducted cooperatively with the various state agricultural experiment stations represented in the Alfalfa improvement conference. June 1939. 49 p. Issued by Division of forage crops and diseases. 1.9 P691Rep
- Notes on the establishment and maintenance of truffieries (Truffle orchards). By Edmund W. Lemberg. 1939. 9 p. Issued by Division of mycology and disease survey. 1.965 M2N84
- Physiological problems involved in seed dormancy. By E. H. Toole. June 1939. 9 p. Issued by Division of fruit and vegetable crops and diseases. 1.9 P772Ph
- Report of the First conference of the Hard red winter wheat quality advisory committee. March 30/31, 1939. 5 p. Issued by Division of cereal crops and diseases. 1.9 P6917Rept
- Seed longevity and seed storage. By E. H. Toole. June 1939. 5 p. Issued by Division of fruit and vegetable crops and diseases. 1.9 P772See

## Soil Conservation Service

- Black lands experimental watershed ground water graphs 1936-37. Prepared by W. D. Potter and Horace R. Blank. 1939. 22 p. (TP-24) 1.96 R31B
- The flow of water in the main diversion floodway of the Little River drainage district in southeast Missouri. By C. E. Ramser. April 1939. 10 p. (TP-22) 1.96 R31F
- Legumes: their erosion -control and wildlife values. By Edward R. Graham. Prepared for the technicians of the Soil conservation service. 1939. 102 p. (TP-23) 1.96 Op2L
- Relation of wind to vegetative cover as indicated by engineering measurements on the Dalhart, Texas project. 1939. 13 p. Issued by Southern Great plains region, Amarillo, Texas. 1.9606 R27

LOST BOOKS

The books mentioned below are missing from the Main Library. Will any one who knows where they are please notify the Loan Desk (Room 1044, South Building, Telephone Extension 6027).

Botanical review. vol. 2, 1936.

Botanische zeitung. vol. 20, 1862.

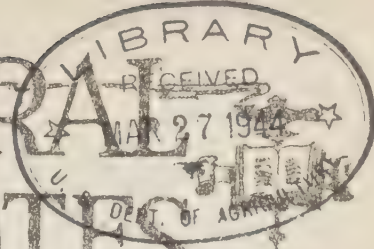
- o - o - o - o -







# AGRICULTURAL LIBRARY NOTES



## CONTENTS

*September 1939*

Vol. 14

No. 9

Principal Library Accessions.....	495
Translations received in the Library.....	504
Congresses.....	504
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	505
The Land Grant Colleges: Advisory Committee on Education - Staff Study No. 10.....	512
Notes on Periodicals.....	513
Articles by State Agricultural Experiment Station Workers.....	515
Bibliographies and Lists.....	524
List of State Extension Publications.....	525
Selected List of Processed Publications of the U. S. Department of Agriculture.....	531
"Fifty Years of Experiment Station Record".....	534
Sketch of the Philadelphia Society for Promoting Agriculture - Memoirs 6. A Review by Everett E. Edwards .....	536
Offers .....	537

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.





PRINCIPAL LIBRARY ACCESSIONS\*

Agricultural Implements and Machinery

McHardy, D. N. Power farming for crops and stock. Reading, Engl.,  
Palmer, 1938. 58 M18P

Architecture

FIELD, D. J. The human house. Boston, Houghton-Mifflin, 1939. 296 F45  
GLASER, S. Designs for 60 small homes from \$2,000 to \$10,000. New York,  
Coward-McCann, 1939. 296 G46

Biology

ASCHOFF, L. and others. Hundert jahre zellforschung. Berlin, Borntraeger,  
1938. (Protoplasma monographien. bd. 17) 442 As2  
GEITLER, L. Chromosomenbau. Berlin, Borntraeger, 1938. (Protoplasma  
monographien. bd. 14) 442 G272C  
HENRICI, A. T. The biology of bacteria. Ed. 2. Boston, Heath, 1939  
448.2 H39B Ed.2  
WALTER, H. E. Biology of the vertebrates. Rev. ed. New York, Macmillan,  
1939. 444 W173 Rev. ed.

Botany

BABCOCK, E. B. and STEBBINS, G. L. jr. The American species of Crepis,  
their interrelationships and distribution as affected by polyploidy  
and apomixis. Washington, 1938. (Carnegie institution of Washington.  
Publication no. 504) 452.3 B112C  
COLLA, S. Die kontraktile zelle der pflanzen. Berlin, Borntraeger, 1937.  
(Protoplasma-monographien. bd. 10) 463.43 C68  
CRANE, M. B. and LAWRENCE, W. J. C. The genetics of garden plants. Ed. 2.  
London, Macmillan, 1938. 463.6 C85 Ed.2  
FASSETT, N. C. The leguminous plants of Wisconsin; and a study of epider-  
mal outgrowths, by C. Mose. Madison, University of Wisconsin press,  
1939. 452.3 F26  
GODWIN, H. Plant biology. Ed. 3. Cambridge, England, University press,  
1939. 463 G54 Ed.3  
NATIONAL RESEARCH COUNCIL, Canada. ASSOCIATE COMMITTEE ON TRAIL SMELTER  
SMOKE. Effect of sulphur dioxide on vegetation. Ottawa, Canada, 1939.  
(National research council of Canada. N.R.C. no. 815) 464.38 N21

Cataloging

HANSON, J. C. M. A comparative study of cataloging rules based on the  
Anglo-American code of 1908. Chicago, University of Chicago press,  
1939. (University of Chicago studies in library science) 243.2 H19

\*Requests which are sent to the Library for the loan of items in this list  
should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Conservation

PARKINS, A. E. and WHITAKER, J. R. ed. Our natural resources and their conservation. Ed. 2. New York, Wiley, 1939. 279 P22 Ed.2

Description and Travel

COLBY, M. A guide to Alaska, last American frontier. (Federal writers' project) New York, Macmillan, 1939. (American guide series) 125 F312A  
FEDERAL WRITERS' PROJECT. The Oregon trail; the Missouri river to the Pacific ocean. Sponsored by Oregon trail memorial association, inc. New York, Hastings house, 1939. (American guide series) 125 F312Or  
FEDERAL WRITERS' PROJECT. CALIFORNIA. California; a guide to the golden state. Sponsored by Mabel R. Gillis, California State librarian. New York, Hastings house, 1939. (American guide series) 125 F312Cal  
PITKIN, W. B. and HUGHES, H. F. Seeing our country. New York, Macmillan, 1939. 125 P68

Domestic Animals

GOUIN, A. Elevage et engraissement intensifs, veaux, boeufs, porcs. Ed. 3. Rev. par P. Andouard, Paris, La Maison rustique, 1939. 389.7 G72E Ed.3  
MARSDEN, S. J. and MARTIN, J. H. Turkey management. Danville, Ill., Interstate, 1939. 47.3 M35  
MELLEN, I. M. A practical cat book for amateurs and professionals. New York, Scribner, 1939. 48 M48  
RICHTERS, C. E. Gli animali e la guerra chimica. Traduzione sulla III edizione tedesca, dal prof. G. Ferralora. Milano, Istituto sieroterapico milanese, 1939. 40 R41A

Drugs

MAY, P. and DYSON, C. M. May's chemistry of synthetic drugs. Ed.4. New York, Longmans, Green, 1939. 396 M45 Ed.4

Economics, Agricultural

ADAMS, R. L. Almond production abroad, (with special reference to France and Italy). Sacramento, California almond growers' exchange, 1939. Processed. 281.3946 Ad1  
ADAMS, T. M. Prices paid by farmers for goods and services and received by them for farm products, 1790-1871; wages of farm labor, 1780-1937. Burlington, 1939. (University of Vermont and State agricultural college, Vermont agricultural experiment station.) Processed. 284.3 Ad1  
AMERICAN YOUTH COMMISSION. Rural youth in farm organization and other national agency programs, by E. L. Kirkpatrick and others. Washington, 1939. Processed. 280.12 Am36

# PRINCIPAL LIBRARY ACCESSIONS

## Economics, Agricultural (continued)

- BAPTIST, G. and VERKINDEREN, A. Opzoekingen nopens de rendabiliteit van den landbouw in Vlaanderen, boekjaar 1937-1938. deel 1. Audenaerde, Vandendriessche [1939] (Mededeeling van het Rijksstation voor landbouw-economischegehecht aan de Landbouwhoogeschool te Gent) 281.172 B22
- BROWN, E. F., comp. Milk papers. v.1, 1910-1935 (documents 1-24); v.2, 1936-1937 (documents 25-38B); v.3, 1938 (documents 39-54). New York, Milk-research council, 1939. 281.344 B81
- FRANCE. CONSEIL NATIONAL ECONOMIQUE. Le mouvement coopératif agricole et ses possibilités de développement. Conclusions adoptées dans sa session des 15 et 16 mars 1937. Holun, Imprimerie administrative, 1937. 280.2 F844
- HUDELSON, R. R. Farm management. New York, Macmillan, 1939. 281.12 H86
- UNIVERSITY COLLEGE OF WALES, Aberystwyth. AGRICULTURAL ECONOMICS DEPARTMENT. Agricultural cooperation. Aberystwyth, 1939. 280.2 Un36

## Economics, Sociology

- ANDREWS, J. N. and MARSDEN, C. A. ed. Tomorrow in the making. New York, McGraw-Hill, 1939. 280.12 An22
- BANCO NACIONAL COMERCIO EXTERIOR, s.a. DEPARTAMENTO TÉCNICO. Mexico exportador. Mexico, Editorial cvltvra, 1939. 286 B22
- BARNES, H. E. Society in transition; problems of a changing age. New York, Prentice-Hall, 1939. 280.12 B26
- CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE. DIVISION OF ECONOMICS AND HISTORY. Report on researches of the United States government bearing upon international economic relations. New York, 1939. Processed. 280 C21
- CLARK, J. H. Social control of business. Ed.2. New York, McGraw-Hill, 1939. (Business and economics publications) 280.12 C55 Ed.2
- ECONOMIC BEHAVIOR. Rev. ed. An institutional approach by members of the Department of economics, Washington square college, New York university: D. W. McConnell and others. Boston, Houghton Mifflin, 1939. 280 At32 Rev.ed.
- FAIRCHILD, F. R. and others. Elementary economics. Ed.4. New York, Macmillan, 1939. 280 F162E Ed.4
- FARRINGTON, B. Science and politics in the ancient world. London, Allen & Unwin, 1939. 280 F24
- FILME, E. A. Speaking of change; a selection of speeches and articles. Washington, National home library foundation, 1939. 280 F47S
- GEBHARD, H. Suomen osuustoiminnan oppikirja. Viides painos. Toimittanut Ilmari Rihola. Helsingissä, Pellervo-seura, 1938. 280.2 G26S Ed.5
- GUILLERBAUD, C. W. The economic recovery of Germany from 1933 to the incorporation of Austria in March 1938. London, Macmillan, 1939. 280.175 G94
- HARDY, C. O. Risk and risk-bearing. Rev. ed. Chicago, University of Chicago press, 1937. (Materials for the study of business) 280 H22R Rev.



PRINCIPAL LIBRARY ACCESSIONS

## Economics, Sociology (continued)

- HARROD, R. F. International economics. New edition. London, Nisbet, 1939. (Cambridge economic handbooks. 8) 280 H243 New ed.
- HEILPERIN, M. A. International monetary economics. New York, Longmans, Green, 1939. 284 H362
- HICKS, J. R. Value and capital. Oxford, Clarendon press, 1939. 284 H522
- INSTITUT BALKANIQUE, Belgrade. Etat économique des pays balkaniques. Beograd, 1938. French and German. (Encyclopédie économique des Balkans) 280.17 In7
- KALECKI, M. Essays in the theory of economic fluctuations. London, Allen and Unwin, 1939. 280 K12
- KELLER, E. A. A study of the physical assets, sometimes called wealth, of the United States 1922-1933. Notre Dame, University of Notre Dame, 1939. 280.12 K28
- KNIGHT, B. W. Economic principles in practice. New York, Farrar & Rinehart, 1939. 280 K743
- MACHINERY AND ALLIED PRODUCTS INSTITUTE. Capital goods and the American enterprise system. Chicago, 1939. 280.12 M18
- MARVIN, D. M. and WILLIAMS, G. M. Design for recovery. New York, Harper, 1939. 280.12 M362
- MATTHEWS, W. H. Adventures in giving. New York, Dodd, Mead, 1939. 280 M43
- MERRIAM, C. E. The new democracy and the new despotism. New York, McGraw-Hill, 1939. 280 M55N
- MINER, H. St. Denis; a French-Canadian parish. Chicago, 1939. (University of Chicago publications in anthropology. Ethnological series) 280.136 M66
- MORGAN, W. L. The family meets the depression; a study of a group of highly selected families. Minneapolis, 1939. (University of Minnesota. The institute of child welfare. Monograph series no. 19) 324 M82
- REYNOLDS, B. T. and COULSON, R. G. Human needs in modern society. London, Cape, 1938. 280 R33
- REYNOLDS, M. T. Interdepartmental committees in the national administration. New York, 1939. (Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university, no. 450) 280.12 R33
- SCHMIDT, C. T. The corporate state in action: Italy under fascism. New York, Oxford university press, 1939. 280.176 Sch5
- SCOTT, F. R. Canada today: a study of her national interests and national policy. Ed. 2, rev. London, Oxford university press, 1939. 280.13 Sco3 Ed. 2
- SVERIGES ALLMÄNNA EXPORTFÖRENING, Stockholm. Modern Sweden. Stockholm, General export association of Sweden, 1937. 280.173 Sv2

PRINCIPAL LIBRARY ACCESSIONS

Economics, Sociology (continued)

- WILLIAMS, E. B. The dust bin. Washington, Roberts, 1938. 280.12 W67  
 WU, CHI-YUEN. An outline of international price theories. London, Routledge, 1939. (Studies in economics and commerce, no. 7. London School of economics and political science) 284.3 W95  
 ZEELAND, P. van. Economics or politics? Cambridge, University press, 1939. 280 Z2

Feeding of Animals

- CURTIS, R. S. Cottonseed meal; origin, history, research. Raleigh, N.C., Curtis, 1938. 389.7 C94

Entomology

- BRADLEY, J. C. A laboratory guide to the study of the evolution of the wings of insects. Ed.2. Ithaca, N.Y., Daw, Illston, 1939. 422 B723 Ed.2  
 CRAVERI, M. Atlante entomologico (esclusi i lepidotteri). Milano, Fratelli Treves, 1938. 422 C85  
 DUNCAN, C. D. and PICKWELL, G. The world of insects. New York, McGraw-Hill, 1939. 422 D913  
 FERNALD, H. T. The history of entomology at the Massachusetts agricultural college, 1867-1930. Amherst, 1938. (Massachusetts State college. Fernald [entomological] club. Special publication, no. 1) Processed. 422 F39  
 GOODACRE, W. A. The honey and pollen flora of New South Wales. Sydney Paisley, 1938. (New South Wales. Department of agriculture [publication]) 424 G61  
 HASKINS, C. P. Of ants and men. New York, Prentice-Hall, 1939. 426 H27  
 HERROD-HEMPHALL, W. The anatomy, physiology and natural history of the honey bee. London, British bee journal, 1938. 424 H43A  
 MIWA, Y. and CHŪJŌ, K. Catalogus coleopterorum japonicorum. Pt. 1 - 6. Taihoku, Formosa, Taiwankonchu-kenkyusho, 1936-39. 427 M69C  
 OSBORN, H., and KNOLL, Mrs. D. J. Meadow and pasture insects. Columbus, Ohio, Educators' press, 1939. 423 O51M  
 SANDARS, E. A butterfly book for the pocket, including all species to be found in the British Isles. London, Oxford university press, 1939. 430 S25  
 STEP, E. ed. Marvels of insect life. New York, McBride [1938?] 422 St4 Amer. ed.

Food, Nutrition

- PRICE, W. A. Nutrition and physical degeneration. New York, Hoeber, 1939 389.1 P23  
 SAPPER, K. T. Die ernährungswirtschaft der erde und ihre zukunfts-aussichten für die menschheit. Stuttgart, Enke, 1939. (Strömungen der weltwirtschaft, hrsg. von E. Schultze. bd.5) 389 Sa6

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Forestry, Trees

- ASSOCIATION FRANÇAISE POUR L'AVANCEMENT DES SCIENCES. Rapports et communications sur le pin maritime et ses dérivés présentés au 62<sup>e</sup> congrès tenu à Arcachon du 22 au 27 septembre 1938. Bordou, Fredou et Manville, 1939. 99.35 As7
- CHAMPION, H. G. and TREVOR, G. Sir. Manual of Indian silviculture. Part I, General silviculture. Part II, Silvicultural systems. London, Oxford university press, 1938. 99.45 C352
- EGGELING, W. J. and HARRIS, C. M. Fifteen Uganda timbers. Oxford, Clarendon press, 1939. (Imperial forestry institute, Oxford. 4) 99.79 One no. 4.
- GREEN, Mrs. C. (Hilton) Trees of the south. Chapel Hill, University of North Carolina press, 1939. 455.5 G82
- JERRAM, M. R. K. Elementary forest mensuration. London, Murby, 1939. 99.4 J48
- MARQUIS, R. W. Economics of private forestry. New York, McGraw-Hill, 1939. (American forestry series) 99.7 M34
- WESTVELD, R. H. Applied silviculture in the United States. New York, Wiley, 1939. 99.45 W52 1939

Gardens

- SHAFER, E. T. H. Carolina gardens. New York, Huntington press, 1937. 97 Sh1

History

- FURNIVALL, J. S. Netherlands India, a study of plural economy. Cambridge, University press, 1939. 277.1994 F98
- HASKELL, H. J. The new deal in old Rome; how government in the ancient world tried to deal with modern problems. New York, Knopf, 1939. 277 H27
- KIRKPATRICK, F. A. Latin America: a brief history. New York, Macmillan, 1939. 134 K63
- THOMPSON, C. M. and JONES, F. M. Economic development of the United States, a first course. New York, Macmillan, 1939. 277.12 T37

Hydrocarbons

- EGLOFF, G. Physical constants of hydrocarbons. v.i. New York, Reinhold, 1939. (American chemical society. Monograph series. no. 78) 387.1 Eg52P



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Hydroponics

- DAWSON, C. D. and DORN, M. V. Plant chemiculture. Ed.3. Los Angeles, 1939. 90.15 D73 Ed.3  
MATLIN, D. R. Growing plants without soil. New York, Chemical publishing co., 1939. 90.15 M42

Industrial and Office Management

- BARNARD, C. I. The functions of the executive. Cambridge, Mass., Harvard university press, 1938. 249 B25  
FIELD, O. P. Civil service law. Minneapolis, University of Minnesota press, 1939. 249.3 F45  
McCANN, J. L. Government publicity, its practice in federal administration. Chicago, University of Chicago press, 1939. (Studies in public administration. v. 10.) 238.2 M12

Labor and Wages

- McWILLIAMS, C. Factories in the field; the story of migratory farm labor in California. Boston, Little, Brown, 1939. 283 M252  
SELLS, D. H. British wages boards. Washington, 1939. (Institute of economics of the Brookings institution. Publication no. 77) 283 Se4B  
U. S. COMMUNITY IMPROVEMENT APPRAISAL. A report on the work program of the Works progress administration. Washington, Allied printing trades council, 1939. 283.9 Un391  
U. S. WORKS PROGRESS ADMINISTRATION, New York City. ADVISORY COUNCIL. Reports on public assistance. New York, 1939. Processed. 283 Un3983

Marketing

- GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Revised arrangements under the Milk acts, 1934 to 1938 for increasing the demand for milk within the area of the Milk marketing board for England and Wales by the supply of milk in schools at reduced rates. London, H. M. Stationery off., 1939. 280.344 G792Are 1939  
GT. BRIT. TREASURY. COMMITTEE ON THE IMPOSITION OF PENALTIES BY MARKETING BOARDS AND OTHER SIMILAR BODIES. Report. London, H.M. Stationery off., 1939. (Parliament. Papers by command. Cmd. 5980) 280.3 G7972  
NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Report of investigators appointed by the minister of agriculture to inquire into the administrative and financial arrangements of the Pigs marketing board (Northern Ireland) under minute of appointment dated 17th September, 1938. Belfast, H. M. Stationery off., 1939. (Parliament. Papers by command. Cmd.205) 280.3469 N812

PRINCIPAL LIBRARY ACCESSIONS

## Marketing (continued)

SEHGAL, L. K. A survey of the marketing of cotton in the Punjab. Lahore, Minerva book shop, 1938. 280.372 Se4

## Medicine

- ASCOLI, A. Die anachorese; ein biologischer vorgang. Pt. 1. Milano Istituto vaccinogeno antitubercolare, 1938. (Summaries in German, Italian, French and English) 448.2 As2A
- BEST, C. H. The physiological basis of medical practice. Baltimore, Wood, 1937. 447 B462
- FRENCH, H. ed. An index of differential diagnosis of main symptoms. Ed.5. Baltimore, Williams and Wilkins, 1936. 448 F883 Ed.5
- GARDINER, F. Gardiner's Handbook of skin diseases. Ed.4. Baltimore, Williams and Wilkins, 1939. 448 G16 Ed.4
- GOLDZIEHER, M. A. The endocrine glands. New York, Appleton-Century, 1939. 448 G58
- HADFIELD, G. and GARROD, L. P. Recent advances in pathology. Ed. 3. Philadelphia, Blakiston, 1938. 448 H113 Ed.3
- HESS, A. F. Collected writings. Springfield, Ill., Thomas, 1936. 448 H46C
- LORD, F. T. and HEFFRON, R. Pneumonia and serum therapy. (Revised edition of Lobar pneumonia and serum therapy.) New York, Commonwealth fund, 1938. 448 L88
- SUTTON, R. L. and SUTTON, R. L. Jr. Diseases of the skin. Ed.10. St. Louis, Mosby, 1939. 448 Su82 Ed.10
- VAUGHAN, W. T. Practice of allergy. Saint Louis, Mosby, 1939. 448 V46

## Natural History

- COMSTOCK, Mrs. A. Handbook of nature-study. Ed.24. Ithaca, N. Y., Comstock pub. co., 1939. 409.5 C73 Ed.24
- PICKWELL, G. B. Deserts. New York, McGraw-Hill, 1939. 409 P58

## Ornithology

- PICKWELL, G. B. Birds. New York, McGraw-Hill, 1939. 413 P58

## Science

- BLISS, E. E. The organization of knowledge in libraries and the subject-approach to books. Ed.2. New York, Wilson, 1939. 330 B612 Ed.2
- WOLD, A. A history of science, technology, and philosophy in the eighteenth century. New York, Macmillan, 1939. (History of science library) 330 W83H

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Soils

TRINIDAD. SUGAR-CANE INVESTIGATION COMMITTEE. A preliminary survey of soil types of sugar estates of Trinidad with special reference to the allocation of sugar-cane varieties. Port-of-Spain, 1939. 56.34 T73

Statistics

LATVIA. VALSTS STATISTISKA PARVALDE. Vispariga sejumi un majlopu skaitisana Latvija 1937. Riga, 1938. 267.4 V24V 1937

PHILIPPINE ISLANDS. DEPT. OF AGRICULTURE AND COMMERCE. DIVISION OF STATISTICS. Atlas of Philippine statistics. Manila, Bureau of printing, 1939. 273 P534

UNITED STATES PULP PRODUCERS ASSOCIATION. World wood pulp statistics, 1927-1937. Ed.3. New York, 1938. Processed. 302 Un36 Ed.3

Taxation

INDIANA. TAX STUDY COMMISSION. The report of the Indiana Tax study Commission. Indianapolis, 1939. 284.5 In28

NATIONAL ASSOCIATION OF ASSESSING OFFICERS. COMMITTEE ON PRINCIPLES OF ASSESSMENT PRACTICE. Assessment principles; final report of the Committee. Chicago, 1939. 284.5 N21934 Rev.

Veterinary Medicine

INTERNATIONAL VETERINARY CONGRESS. 13th, Zurich-Interlaken, 1938. [Reports.] Berne, Grunau, 1939. (English, French, German, and Italian) 41.9 In843

KIRK, H. Index of diagnosis (clinical and radiological) for the canine and feline surgeon, with treatment. London, Tindall and Cox, 1939. 41 K632I

Reference Books

ADULT EDUCATION ASSOCIATION OF THE DISTRICT OF COLUMBIA. Directory of educational and recreational opportunities in the District of Columbia. Ed. 2. Washington, The Washington post, 1939. 225 Ad9

CHEMICAL RUBBER COMPANY, Cleveland. Handbook of chemistry and physics. Ed. 23. Cleveland, Chemical rubber publishing company, 1939. 386 C42 Ed. 23

Theses

BRAMM, G. A. Über die virulenz der saprophytisch in den tonsillen des schweines vorkommenden rotlaufbakterien. Berlin, 1937. Inaug.-diss., Berlin. 41.2 B732



PRINCIPAL LIBRARY ACCESSIONS

## Theses (continued)

- BUCHHOLZ, G. Interferometrische untersuchungen über die wirkung von rotlaufbasillen auf rotlaufimmunserum. Berlin, 1937. Inaug.-diss., Berlin. 41.2 B853
- KIENSCHERF, M. Befall thüringischer wildkaninchen mit entoparasiten und die beziehungen zu geologisch-klimatischen verhältnissen des herkunftsgebietes. Berlin, 1939. Inaug.-diss., Berlin. 436 K542
- KLEIN, H. A. Die abhängigkeit der durchlässigkeit von der flüssigkeitsadsorption des bodens. Breslau, 1937. Diss.-Tech. hochschule, Breslau. Processed. 56.43 K672
- MASSEN, H. Der mikroskopische nachweis der rindergenital-trichomonaden (Trichomonas genitalis bovis) unter berücksichtigung der gebräuchlichsten färbemethoden. Giessen, 1938. Diss., Giessen. 436 M38
- MÜLLER, K. H. Zur biologie der taubenzecke Argas columbarum. Berlin, 1939. Inaug.-diss., Berlin. 434 M913
- SALISCH, H. Über das verhalten der jungtrichinen im herzen. Berlin, 1938. Inaug.-diss., Berlin. 436 Sa32
- SÄLZER, H. W. Infektionsversuche mit geschlechtstrichomonaden des rindes. Geissen, 1938. Diss., Giessen. 436 Sa33

- o - o - o - o - o -

TRANSLATIONS RECEIVED IN THE LIBRARYFrom North Carolina State College

- HEINTZ, ANATOL. Über die ältesten bekannten wirbeltiere (Concerning the oldest known vertebrates). Naturwissenschaften 26 (Sec. 4): 49-58. Jan. 28, 1938.
- SCHNELL, ERWIN. Die auf produkten der landwirtschaft und der landwirtschaftlichen gewerbe vorkommenden oospora (oidium) lactis varietäten (The oospora (oidium) lactis varieties occuring on products of agriculture and agricultural industries). Zentbl. f. Bakt. Parsitenk. u. Infektionskrank. 35 (Sec. 11, 1/5): 1-75. Aug. 24, 1912.

- o - o - o - o - o -

CONGRESS

Congrès International d'Arboriculture Fruitière, Liège, 29 Septembre-3 Octobre 1939. Secrétariat Général: A. Lecrenier, Institut Agronomique, Gembloux, Belgique.

- o - o - o - o - o -

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

- WALLACE, H. A. Why the canning industry doesn't stabilize itself. Canner 89(9): 11-12, 24. Aug. 5, 1939.
- BROWN, H. L. The cotton export program. Amer. Cotton Grower 5(3): 6, 27. Aug. 1939.
- EZEKIEL, MORDECAI. What industry can do to help the farm. Commonwealth 6(7): 9-12, 25. July 1939.

Bureau of Agricultural Economics

- ALLEN, R. H. (With J. D. Black, Harvard Univ., Senior author, and O. A. NEGAARD, Cent. Statis. Board, Washington, D. C.) The scale of agricultural production in the United States. Quart. Jour. Econ. 53: 329-370. May 1939.
- BECKER, J. A. Cotton and grain crops. Amer. Year Book 1938: 436-442. 1939.
- BERKLEY, E. E. Cellulose orientation, strength, and cell wall development of cotton fibers. Textile Res. 9: 355-373. Aug. 1939.
- CROW, W. C. Distinction between wholesaler and jobber is disappearing. V. The N. Y. Packer 35(38): 5. Sept. 2, 1939.
- Lower Manhattan market handles three-fourths of New York City's fruits and vegetables. III. The N. Y. Packer 35(36): 4. Aug. 19, 1939.
- New York City's system of markets extremely complicated. II. The N.Y. Packer 35(35): 3. Aug. 12, 1939.
- The New York market handles fruits and vegetables from forty-two States. I. The N. Y. Packer 35(34): 10AAA. Aug. 5, 1939.
- Where is the center of consumption of fruits and vegetables for New York City? IV. The N. Y. Packer 35(37): 5. Aug. 26, 1939.
- GRAY, L. C. Discussion [of a paper "Land tenure and the social control of the use of land" by Dr. Henry C. Taylor]. Internatl. Conf. of Agr. Econ., Montreal. Proc.5 (1938):159-160. (1939)
- NORRIS, P. K. Foreign versus American cotton marketing methods. (Abstract of address). Ann. Conv., Assoc. of South. Agr. Workers Proc. 40 (1939): 160-161.
- NYHUS, P. O. Some economic aspects of agriculture in Argentina. (Address) Internatl. Conf. of Agr. Econ., Montreal. Proc.5(1938): 325-335. (1939)
- ROBINSON, C. H. Faults, advantages, and possibilities of services authorized by the Smith-Dorey Act. (Abstract of address) Ann. Conv., Assoc. of South. Agr. Workers Proc.40(1939): 159-160.
- SALTER, L. J., JR. Recreation and land use planning in New England. (Address) In Mass. Fed. Planning Boards Bul. 41,p. 46-53. 1939.
- SHERMAN, C. V. Replanning our city markets. Jour.Home Econ. 31: 474-475. Sept. 1939.

\*These lists are prepared in the offices under which they are listed with the exception of the Office of the Secretary.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Economics (continued)

- STEANSON, O. Changes needed in southern agriculture for the production of adequate food supply. (Abstract of address) Ann. Conv., Assoc. of South. Agr. Workers Proc.40 (1939): 37-38.
- TAYLOR, C. C. Prospective development of cultural patterns in rural America and their possible influence on population trends. (Address) Amer. Phil. Soc., Proc.80(1939): 569-585.
- THIBODEAUX, B. H. Current farm management research in relation to the food and feed requirements of the South. (Abstract of address) Ann. Conv., Assoc. of South. Agr. Workers Proc.40(1939): 50-51.

Forest Service

- BRANSFORD, L. Sliding drawer for instrument shelters. Jour. Forestry 37: 654. Aug. 1939.
- BRUSH, W. D. (Book review) The primary wood-using industry of the lower peninsula of Michigan for the year 1935, by Willett F. Ramsdell. 130p. illus. (Multilith). University of Michigan, School of forestry and conservation, Bul. 8. 1937. Jour. Forestry 37: 669-670. Aug. 1939.
- BUCK, C. C., and HUGHES, J. E. The solvent distillation method for determining the moisture content of forest litter. Jour. Forestry 37: 645-651. Aug. 1939.
- BULL, H. Increased growth of loblolly pine as a result of cutting and girdling large hardwoods. Jour. Forestry 37: 642-645. Aug. 1939.
- COCHRAN, H. D. What price thinning and what value. Jour. Forestry 37: 659-660. Aug. 1939.
- EYRE, F. H., and Neetzel, J. R. Practical cutting methods for northern hardwoods. In Papers of the Michigan Acad. of Science, Arts and Letters. vol. 24, pt. 1. p. 197-208. 1939.
- GOODELL, B. C. Soil freezing as affected by vegetation and slope aspect. Jour. Forestry 37: 626-629. Aug. 1939.
- HIERONYMUS, G. H. (Book review) The C. C. C. and wildlife, by U. S. Biological survey. 18p. illus. Government printing office, Washington, D. C. 1939. Jour. Forestry 37: 670. Aug. 1939.
- JOHNSON, F. W. Deer kill records - a guide to management of deer hunting. Calif. Fish and Game 25: 96-165. Apr. 1939.
- JOHNSON, H. M. Trends in lumber production in Oregon and Washington. charts. Jour. Forestry 37: 620-622. Aug. 1939.
- KIRKLAND, B. P. (Book review) Oregon looks ahead, by V. B. Stansbery. 95p. illus. Oregon state planning board, Portland, Oregon. 1938. Jour. Forestry 37: 669. Aug. 1939.
- KRAUCH, H. (Book review) Factors affecting establishment of Douglas fir seedlings, by Leo A. Isaac. U. S. Dept. agriculture, Circ. no. 486. 45p. illus. Government printing office, Washington, D. C. 1938. Jour. Forestry 37: 667-668. Aug. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- MATTOON, W. R. Visual aids in teaching forestry - don't overlook still pictures. Jour. Forestry 37: 658-659. Aug. 1939.
- NEFF, P. Valuation of national forest lands. Jour. Forestry 37: 598-600. Aug. 1939.
- SILCOX, F. A. Green belts in drought areas. Nation's Agr. 14(7): 4, 15. July/Aug. 1939.
- TIEMANN, H. D. (Book review) The contents of vessels of Fraxinus Americana with respect to the ascent of sap, by R. D. Preston. Annals of Botany n. s. 2: 1-22. 1938. Jour. Forestry 37: 666-667. Aug. 1939.

Bureau of Entomology and Plant Quarantine

- BARBER, H. G. Scientific survey of Porto Rico and the Virgin Islands. Volume XIV - Part 3. Insects of Porto Rico and the Virgin Islands - Hemiptera-Heteroptera (excepting the Miridae and Coreidae). New York, Published by the Academy, July 7, 1939. 44lp. At head of title: New York Academy of Sciences.
- BISHOPP, F. C., and WEBB, J. L. Advances in knowledge of mosquitoes during 1938. N. J. Mosquito Extermin. Assoc. Proc. (1939) 26: 94-106.
- BISHOPP, F. C., and SMITH, C. N. Will mosquito-control ditches, if not maintained, make mosquito breeding worse? - A correction. N. J. Mosquito Extermin. Assoc. Proc. (1939) 26: 106-107.
- BRUCE, W. G. Some observations on insect edaphology. Kans. Ent. Soc. Jour. 12: 91-93. July 1939.
- BUSCK, A. Un Lepidoptero nuevo que perjudica el níspero en la Argentina (Familia Gelechiidae). Soc. Cient. Argentina An. 127: 361-365. May 1939.
- GERSDORFF, W. A. Effect of the introduction of the nitro group into the phenol molecule on toxicity to goldfish. Jour. Cell. and Compar. Physiol. 14: 61-71. Aug. 20, 1939.
- HALLER, H. L., and SCHAFFER, P. S. The action of isobutylmagnesium bromide on 3, 4, 5-trimethoxybenzonitrile. Amer. Chem. Soc. Jour. 61: 2175-2177. Aug. 1939.
- HAMILTON, L. M. Stem rust in the spring wheat area in 1878. Minn. Hist. 20: 156-164. June 1939.
- JONES, H. E. Rotenona, un nuevo insecticida que promete. Agr. Mex. 55(7): 23-27. July 1939.
- JOY, E. L. Extension of the known range of Ribes coloradense Coville. Northwest Sci. 13: 69-70. Aug. 1939.
- KING, J. L. The fundamental principles of biological control of insects. N. J. Mosquito Extermin. Assoc. Proc. (1939) 26: 13-20.
- McGOVRAN, E. R., SULLIVAN, W. N., and PHILLIPS, G. L. Resistance to insecticides. The effect of knockdown and light doses on the resistance of houseflies to pyrethrum sprays. Soap 15(8): 88-90. Aug. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
 APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- MELAMPY, R. M. (With D. B. JONES, Bur. Chem. and Soils) Chemical composition and vitamin content of royal jelly. Soc. Expt. Biol. and Med. Proc. 41: 382-388. June 1939.
- MELAMPY, R. M., and WILLIS, E. R. Respiratory metabolism during larval and pupal development of the female honeybee (*Apis mellifica* L.). Physiol. Zool. 12: 302-311. July 1939.
- MELVIN, R., PARISH, H. E., KNIPLING, E. F., and BUSHLAND, R. C. Diphenylamine as a wound protector against screw worm. Southwest. Sheep and Goat Raiser 9(17): 24-25. Aug. 1939.
- QUICK, C. R. *Ribes tularense* (Cov.) Fedde in Sequoia national park. Madroño 5: 103-104. July 1939.
- STONE, A. A new genus of Trypetidae near *Anastrepha* (Diptera). Wash. Acad. Sci. Jour. 29: 340-350. Aug. 15, 1939.
- WHEELER, N. E. The North American empoascan leafhoppers of the radiata group (*Homoptera: Cicadellidae*). Wash. Acad. Sci. Jour. 29: [292]-300. July 15, 1939.

Bureau of Plant Industry

- ADAMS, J.E., HESSLER, L.E. and EGGLE, D.R. Chemistry and growth of the cotton plant as affected by sorghum residues and nitrogen supplements. (Abstract) Assoc. South. Agr. Workers Proc. 40:30. 1939.
- BARTLE, A.T. (With I.A. BRIGGS, Ariz. Agr. Expt. Sta.) Small grain varieties for northern Arizona. Ariz. Agr. Expt. Sta. Bull. 166. 35 p. May 1939.
- BERKLEY, E.E. Cellulose orientation, strength and cell wall development of cotton fibres. Textile Res. 9:355-373. Aug. 1939.
- BLAISDELL, D.J. A permanent transferable culture-tube label. (Note) Phytopathology 29:761-762. Aug. 1939.
- CHIDESTER, M.S. Further studies on temperatures necessary to kill fungi in wood. Amer. Wood-Preservers' Assoc. Proc. 35:319-324. 1939.
- COOK, O.F. and DOYLE, C.B. The edible pacaya palm of Alta Vera Paz. Natl. Hort. Mag. 18:161-179. July 1939.
- COTTON, J.R. Some preliminary notes on a skip correction study in Louisiana. (Abstract) Assoc. South. Agr. Workers Proc. 40:66-67. 1939.
- DICK, J.B. Fertilizers in relation to incidence of wilt as affecting a resistant and a susceptible variety. (Abstract) Assoc. South. Agr. Workers Proc. 40:68. 1939.
- DICKSON, J.B. and DICKSON, A.D. (With H.L. SHANDS and B.A. BURKHART, Univ. Wis.) Barley and malt studies. V. Experimental malting of barleys grown in 1937. Cereal Chem. 16:468-480. July 1939.
- DRECHSLER, C. Five new Zoopagaceae destructive to rhizopods and nematodes. Mycologia 31:388-415. July/Aug. 1939.
- FOWLER, M.E. *Coratostomella* (Endoconidiophora) on planetrees. Plant Disease Rptr. 23:184-185. May 15, 1939. (Micrographed) Reprinted in Arborist's News 4:49-50. July 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- FULTON, H.J. Weather in relation to yield of American-Egyptian cotton in Arizona. (Note) Amer. Soc. Agron. Jour. 31:737-740. Aug.1939.
- GARNER, W.W. Successful leaf culture in Virginia. Commonwealth 6(8): 7-9, 31. Aug.1939.
- GOLDSWORTHY, M.C. and GREEN, E.L. The fungicidal activity of phenothiazine and some of its oxidation derivatives. Phytopathology 29:700-716. Aug.1939.
- HARLEY, C.P. and MASURE, M.P. Thinning apples with reference to alternate bearing. Wash. State Hort. Assoc. Proc. (1937) 33:27-30. [1938]
- HARRISON, G.J. (With B.A. RUDOLPH, Calif. Agr. Expt. Sta., senior author) Attempts to control Verticillium wilt of cotton and breeding for resistance. (Abstract) Assoc. South. Agr. Workers Proc. 40:185. 1939. Also in Phytopathology 29:753. Aug. 1939.
- Breeding and seed distribution of Acala cotton in California. (Abstract) Assoc. South. Agr. Workers Proc. 40:69. 1939.
- Treatment of cotton seed with organic mercury dust and sulphuric acid. (Abstract) Assoc. South. Agr. Workers Proc. 40:191. 1939. Also in Phytopathology 29:755. Aug.1939.
- HARTER, L.L. Some recent investigations on the control of sweet potato diseases. (Abstract) Assoc. South. Agr. Workers Proc. 40:138-139. 1939.
- HOPE, C. Hippeastrum candidum. Natl. Hort. Mag. 18:240-244. July 1939.
- KIENHOLZ, J.R. (With G.G. BROWN, Oreg. Agr. Expt. Sta.) Boron checks corky core in apples. Better Fruit 34(2):16. Aug.1939.
- KING, C.J. Arizona Farmer series to give rock-bottom data on American-Egyptian cotton industry. Ariz. Farmer Prod. 18(11):7. Aug.5, 1939.
- and PRESLEY, J.T. Benefits of winter green manure crops in controlling Phymatotrichum root rot of cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40:184. 1939. Also in Phytopathology 29:752. Aug.1939.
- and PARKER, R.B. Factors influencing the distribution and persistence of the angular leaf spot diseases in irrigated cotton fields. (Abstract) Assoc. South. Agr. Workers Proc. 40:186-187. 1939. Also in Phytopathology 29:754. Aug.1939.
- and BARKER, H.D. An internal collar rot on cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40:182. 1939. Also in Phytopathology 29:751. Aug.1939.
- LARSON, C.A. The significance of frequencies and the amounts of irrigation water applied to orchards. Wash. State Hort. Assoc. Proc. (1937) 33: 97-103. [1938] (In cooperation with Wash. Agr. Expt. Sta.)
- LINDGREN, R.M. and SCHEFFER, T.C. Effect of blue stain on the penetration of liquids into air-dry southern pine wood. Amer. Wood-Preserver's Assoc. Proc. 35:325-337. 1939.
- LONGLEY, A.E. and STANTON, T.R. Chromosome number in dwarf oats. (Note) Amer. Soc. Agron. Jour. 31:733-735. Aug.1939.
- McMURTREY, J.E. Plant nutrition in relation to social and economic life in the South. (Abstract) Assoc. South. Agr. Workers Proc. 40:27. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- MILLER, P.R. Fungi associated with seedling diseases and boll rots of cotton in eastern United States in 1938. (Abstract) Assoc. South. Agr. Workers Proc. 40:186. 1939. Also in Phytopathology 29:753-754. Aug.1939.
- MORRISON, B.Y. Notes on spring-flowering crocus species. Natl. Hort. Mag. 18:198-225. July 1939.
- MOSS, E.G. Let's improve tobacco selling. Prog. Farmer Car.-Va. Ed. 54(8):6. Aug.1939.
- Methods of flue curing tobacco in relation to quality. (Abstract) Assoc. South. Agr. Workers Proc. 40:64. 1939.
- NEAL, D.C. Further studies of artificial inoculation with the cotton wilt fungus, *Fusarium vasinfectum*, Atk. (Abstract) Assoc. South. Agr. Workers Proc. 40:189. 1939. Also in Phytopathology 29:755-756. Aug.1939.
- Seed treatment tests with cotton in 1938. (Abstract) Assoc. South. Agr. Workers Proc. 40:187. 1939. Also in Phytopathology 29:754. Aug.1939.
- NEELY, J.W. Hopi cotton and a note on its phylogenetic relationship with the upland species. (Abstract) Assoc. South. Agr. Workers Proc. 40:68-69. 1939.
- Studies with recently developed cotton strains. (Abstract) Assoc. South. Agr. Workers Proc. 40:65-66. 1939.
- ORTE, W.S., DOOLITTLE, S.P. and WELLMAN, F.L. Hybridization of a mosaic-tolerant, wilt-resistant *Lycopersicon hirsutum* with *Lycopersicon esculentum*. (Note) Phytopathology 29:757-759. Aug.1939.
- REED, C.A. Varieties of hickory for New England. North. Nat Growers' Assoc. Rpt. Ann. Meeting (1938) 29:36-43. [1939]
- REEVES, E.L. (With M.A. YOTHERS and C.J. MURRAY, Bur. Ent. & Plant Quar.) Unusual development of apple perennial canker, following application of toxic wound dressings. Phytopathology 29:739-743. Aug.1939.
- ROMBERG, L.D. and SMITH, C.L. Effects of indole-3-butyric acid in the rooting of transplanted pecan trees. (Abstract) Assoc. South. Agr. Workers Proc. 40:145-146. 1939.
- SCHAAL, L.A. Penetration of potato-tuber tissue by *Rhizoctonia solani* in relation to the effectiveness of seed treatment. (Note) Phytopathology 29:759-760. Aug.1939.
- SCHOTH, H.A. Up-and-coming Austrian pea. Winter growing field crop for green manure becomes important in South. South. Seedsman 2(8):12. Aug.1939.
- SCOTT, C.E., LINDSEY, M.A. and HARRISON, G.J. Observations on the root-knot nematode in the San Joaquin Valley of California. (Abstract) Assoc. South. Agr. Workers Proc. 40:183. 1939. Also in Phytopathology 29:752. Aug.1939.
- SMITH, A.L. Progress in soil contamination studies with *Fusarium vasinfectum* Atk. (Abstract) Assoc. South. Agr. Workers Proc. 40:190. 1939. Also in Phytopathology 29:756. Aug.1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- SMITH, C.L. Three years' results of thinning the stand as compared with pruning thickly planted pecan trees. (Abstract) Assoc. South. Agr. Workers Proc. 40:144-145. 1939.
- SMITH, E. Maturity studies of Red Delicious strains and Golden Delicious apples. Wash. State Hort. Assoc. Proc. (1937) 33:51-53. [1938]
- SMITH, H. H. The induction of polyploidy in *Nicotiana* species and species hybrids by treatment with colchicine. Jour. Hered. 30:291-306. July 1939.
- STANTON, T.R. The problem on maintaining identity and pure seed of southern oat varieties. (Abstract) Assoc. South. Agr. Workers Proc. 40:61. 1939.
- STEVENSON, J. A. Studies on the Agaricaceae of Hokkaido. (Note) Mycologia 31:505. July/Aug. 1939.
- TAYLOR, A.L. and BARKER, H.D. (With O.P. OWENS, N.C. Agr. Expt. Sta.) Preliminary report on cotton wilt-nematode experiments at Lumberton, N.C. (Abstract) Assoc. South. Agr. Workers Proc. 40:183-184. 1939. Also in Phytopathology 29:752. Aug. 1939.
- THARP, W.H. (With C.H. WADLEIGH, Ark. Agr. Expt. Sta.) Effects of nitrogen, phosphorous, and potassium nutrition on the fusarium wilt of cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40:191. 1939. Also in Phytopathology 29:756-757. Aug. 1939.
- The effects of nitrogen source, nitrogen level, and relative acidity on fusarium wilt of cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40:190-191. 1939. Also in Phytopathology 29:756. Aug. 1939.
- (With V.H. Young, Ark. Agr. Expt. Sta., senior author) Relation of unbalanced fertilization to the fusarium wilt of cotton. (Abstract) Assoc. South. Agr. Workers Proc. 40:190. 1939. Also in Phytopathology 29:756. Aug. 1939.
- TISDALE, H.B. Variations in relation to cotton wilt. Abstract of results obtained 1936-1938. Assoc. South. Agr. Workers Proc. 40:67. 1939.
- WALLACE, J.H. Recovery from and acquired tolerance of curly top in *Nicotiana tabacum*. Phytopathology 29:743-749. Aug. 1939.
- WEINDLING, R. Variability of *Fusarium vasinfectum* Atk. in culture. (Abstract) Assoc. South. Agr. Workers Proc. 40:188. 1939. Also in Phytopathology 29:755. Aug. 1939.
- WILKINS, H.L. Report of total chlorine in plants. Assoc. Off. Agr. Chem. Jour. 22:476-482. Aug. 1939.

Soil Conservation Service

- BLAISDELL, F.W. Discharge of V-notch weirs at low heads. Civil Engin. 9:495-496. Aug. 1939.
- CALKINS, H.G. Men and nature must cooperate. Utah Educ. Rev. 32: 169-172. Feb. 1, 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Soil Conservation Service (continued)

- DULEY, F.L. and RUSSEL, J.C. The use of crop residues for soil and moisture conservation. Amer. Soc. Agron. Jour. 31:703-709. Aug. 1939.
- LOWDERMILK, W.C. Control of little waters in North Africa. Buried in the sands of two thousand years, ancient Roman works to control little waters emerge to guide and serve present-day conservationists. Amer. Forests 45:453-455, 478-480. Sept. 1939.
- Footprints of Roman agriculture. Amer. Forests 45: 407-409, 428-429. Aug. 1939.
- MAITS, C.B., Jr. Potatoes on the level. Pa. Farmer 121-89. Aug. 26, 1939.
- OLSON, L. The history of erosion in the ancient world. Assoc. Amer. Geog. Ann. 29(1):85-36. Mar. 1939.
- OTTO, G.E. A modified logarithmic probability graph for the interpretation of mechanical analyses of sediments. Jour. Sedimentary Petrology 9: 62-76. Aug. 1939.
- RAMSER, C.E. Research studies in hydrology with special reference to soil conservation and flood control. Assoc. Amer. Geog. Ann. 29(1):90. Mar. 1939.
- WEBER, G.L. A method of preparing some native grass seeds for handling and seeding. Amer. Soc. Agron. Jour. 31:729-733. Aug. 1939.

- o - o - o - o - o - o - o - o - o -

"THE LAND-GRANT COLLEGES"

"The Land-Grant Colleges", by George A. Works and Barton Morgan, has recently been issued by the Advisory Committee on Education as its Staff Study Number 10. It is for sale by the Superintendent of Documents, price 25 cents. Appendix A, entitled "Major Federal legislation concerning land-grant colleges as of October 1, 1938", contains the text of the following acts: First Morrill Act; Hatch Act; Second Morrill Act; Adams Act; Wilson Amendment; Smith-Lever Act; Purnell Act; Capper-Ketchum Act; Bankhead-Jones Act.

- o - o - o - o - o - o - o - o - o -



NOTES ON PERIODICALS

New, Changed and Discontinued

- La acción agraria. Febres Cordero núm. 306, Apartado de Correos no. 614. Guayaquil, Ecuador. Called monthly but actually irregular. f<sup>o</sup> il. año 3, no. 14, Jan. 15, 1939. Subscripción annual: en el exterior, \$1.00.
- Agricola; revue mensuelle à grand tirage du commerce agricole & horticole. Bruxelles. Ceased publication with no. 9, Mar. 1939(?)
- Agriview. Vermont department of agriculture, Montpelier, Vt. quar. il. f<sup>o</sup> v. 1, no. 1, Sept. 15, 1938. No price given.
- Archiv für die gesamte virusforschung. Julius Springer, Wien. irreg. il. 8<sup>o</sup> bd. 1, hft. 1, Mar. 18, 1939. Preis: RM14.80
- Burma trade journal. Monthly statement of the sea-borne trade of Burma. (supplement) Rangoon. f<sup>o</sup> Jan. 1939 (suppl. to feb.) Included with subscrip. to the journal.
- Chemical products and the chemical news. Science services ltd., 35, Great James Street, Bedford Row, London, W. C. 1. mo. il. 4<sup>o</sup> v.1, no. 1, November 1938. 10/- per year.
- O Criador paulista, revista da pecuaria brasileira. São Paula. Ceased publication with anno 28, num. 1/6, Jan./June 1933(?)
- Cuba. Secretaria de agricultura. Dirección de industrias. Sección de industria animal. Circular. Habana. irreg. f<sup>o</sup> no. 1, June, 1939. (Nos. not issued in chronological order) No price given.
- Czarnikow-Rionda company. Monthly comment on the sugar markets. Discontinued with Apr. 29, 1939. (1939, no. 4) Issued weekly under title Sugar market, through June 3, 1938.
- De Deutsche inker. Aussig. Ceased with v. 51, no. 15, Mar. 1, 1939. Superseded by Der Sudeten-inker. Aussig.
- El Doctor. Monjitas 719, Casilla 432, Santiago, Chile. mo. f<sup>o</sup> año 1, no. 1, July 1938. \$3.00. "Veterinaria, ganadería, y avicultura."
- Forstliche wochenschrift Silva. Berlin. Ceased with jahrg. 25, 1937.
- Gärungslose fruchteverwertung. Berlin. Title changed to Flüssiges obst with jahrg. 10, hft. 1/2, Jan./Feb. 1939.
- Imperial bureau of dairy science. Dairy science abstracts. Shinfield, Reading, England. 8<sup>o</sup> v.1, no. 1, Mar 1939. Annual subscrp. 25/-
- (R) Ispettorato provinciale dell'agricoltura di Bergamo. Bollettino dell'agricoltura della provincia di Bergamo. Ceased with anno 28, 1939. Merged with Notiziario, anno 4, no. [1] Jan. 15, 1939.
- The Journal of endocrinology. Oxford university press, Amen House, Warwick Square, London, E.C.4. quar. il. 4<sup>o</sup> v.1, no. 1, June 1939. \$6.00 (Address of American branch of the Oxford university press is 114 Fifth Avenue, New York City.)
- New Hampshire breeder. Garden State publishing company, Sea Isle City, New Jersey. quar. il. 4<sup>o</sup> v.1, no.1, Mar. 1938. 50 cents a year.
- Oyo-kontyu. The Nippon society of applied entomology, Imperial Agricultural experiment station, Misigahara, Takinogawa, Tokyo. bi-monthly. 8<sup>o</sup> il. Vol.1, no.1, August 1938. Price not stated. In Japanese with English table of contents.
- Paraguay. Ministerio de economía. Cartilla de propaganda. Calle Estrella no. 373. Asuncion. mo. 16<sup>o</sup> núm.1, Nov. 1938. Se reparte gratis. Supersedes two publications of Ministerio de economía. Oficina de educación agraria: Boletin, and Cartilla rural.

## NOTES ON PERIODICALS

(continued)

- Queensland cane growers' council. Circular no. "C" Brisbane, P.O. Box 1032N Irreg. f<sup>o</sup> no. 104, June 6, 1939. No price. Processed.
- The R.R.I. planters' bulletin. Rubber research institute of Malaya. Kuala Lumpur, Federated Malay States. About every month. il. 8<sup>o</sup> no.1, Feb. 11, 1939. Sent to all corporations and individuals whose names are on the Institute's free and subscription mailing lists.
- Revue de microbiologie appliquée à l'agriculture, à l'hygiène à l'agriculture, à l'hygiène à l'industrie. Paris. Ceased publication with t.3, no.6, Nov./Dec. 1937(?)
- Rhode Island. Agricultural experiment station. Kingston. Miscellaneous publication. irreg. 4<sup>o</sup> no.1, July 1938. No price. Processed.
- Rural electrification and electro-farming. London. Ceased with v. 14, no. 167, Apr./May(?)
- São Paulo, Brazil (State) Departamento do trabalho. Boletim. Last issue rec'd., ano 23, no. 80, 1934. Probably continued by São Paulo. Secretaria da agricultura, industria e commercio. Directoria de terras, colonização e imigração. D. T. C. I. boletim.
- Santa Catharina, Brazil. Departamento de estatística e publicidade. Comunicado. [Florianópolis?] irreg.? f<sup>o</sup> no. 22, Jan. 17, 1939. No price given.
- Santa Catharina, Brazil. Departamento de estatística e publicidade. Publicação. Florianópolis. irreg.? 8<sup>o</sup> no. 3, 1932. No price found.
- Sillons; revue agraire internationale. Publications documenta. 8, Rue de Choiseul, Paris (2e) 5 times a year. 8<sup>o</sup> année 1, no. 1. 1939. 47 francs.
- South Dakota. Agricultural experiment station. Brookings, S. D., Technical bulletin. no.? il. 8<sup>o</sup> no.1, Apr. 1936. No price given.
- Southern workman. Hampton, Va. Ceased with v. 68, no. 7, July 1939.
- Stock and land. Box 508E, G.P.O., Melbourne, Australia. weekly. il. f<sup>o</sup> v. 26, no. 23, May 17, 1939. 10/- a year. Official organ of the Associated stock and station agents of Melbourne; Graziers' association of Victoria; and others.
- The Union farmer. Official organ of the Dairy farmers' union, Ogdensburg, N. Y. no. f<sup>o</sup> v. 1, no.1. July 25, 1932. \$1.00 a year. July 25, 1938-Mar. 25, 1939, called The Dairy farmer.
- United dairymen. United dairymen's association, 635 Elliott Avenue, West, Seattle, Wash. f<sup>o</sup> il. v.1, no.1. July 1939. 60 cents a year.
- U. S. National park service. Mount Rainier national park nature notes. Longview, Wash. quar. il. 4<sup>o</sup> v.11, no.7, Sept. 1933. No price given.
- Zeitschrift für hundeforschung. Leipzig (Verlag Dr. Paul Schöps) irreg. plates. 8<sup>o</sup> n.f. bd.1, hft.1, 1936. "Preis der vorliegenden ausgabe RM 6,-, bei subscription RM 5,-." (N.f. bd. 1-11 were issued as various nos. of Kleintier und pelztier, Jahrg. 12-14, 1936-38)
- Zentralblatt für geophysik, meteorologie und geodäsie. Julius Springer, Berlin W. 3. 13 nos. per vol.? 8<sup>o</sup> bd.1, hft.1, Jan. 15, 1937. RM48.- a vol.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK\*

Alabama

- ENGLISH, I.L. Derris as a toxic supplement to oil emulsions for the control of purple scale. Jour. Econ. Ent. 32: 587-595. Aug. 1939.  
VOLK, N.J. The effect of oxidation-reduction potential on plant growth. Jour. Amer. Soc. Agron. 31: 665-670. Aug. 1939.

Arizona

- BROWN, J.G. Permeability of the testa of normal and treated cotton seeds. (Abstract) Phytopathology 29: 753. Aug. 1939.  
McGEORGE, W. T. Some problems connected with fertilization of alkali soils. Calif. Citrograph 24: 389, 424. Sept. 1939.

Arkansas

- BRANNEN, C.O. Adjusting agriculture and services to the needs of farm people. Southwest. Social Sci. Quart. 20: 1-11. June 1939.  
CRALLEY, E.H. A study of virulence in relation to cultures of Fusarium vasinfectum. (Abstract) Phytopathology 29: 757. Aug. 1939.  
HORSEFALL, W.R. Habits of Aedes triseriatus Dyar and Knab. (Diptera, Culicidae). Kans. Ent. Soc. Jour. 12: 70-71. April 1939.  
SANDERSON, H.W. Crop replacement in relation to grasshopper abundance. Jour. Econ. Ent. 32: 484-486. Aug. 1939.  
THARP, W.H., and WADLEIGH, C. H. Effects of nitrogen, phosphorus, and potassium nutrition on the Fusarium wilt of cotton. (Abstract) Phytopathology 29: 756-757. Aug. 1939.  
THARP, W.H., and WADLEIGH, C.H. The effects of nitrogen source, nitrogen level, and relative acidity on Fusarium wilt of cotton. (Abstract) Phytopathology 29: 756. Aug. 1939.  
WADLEIGH, C.H. The influence of varying cation proportions upon the growth of young cotton plants. Soil Sci. 48: 109-120. Aug. 1939.  
YOUNG, V.H., and THARP, W.H. Relation of unbalanced fertilization to the Fusarium wilt of cotton. (Abstract) Phytopathology 29: 756. Aug. 1939.

California

- ALMQUIST, H.J. (With A.A. KLOSE, Univ. of Calif.) Determination of the anti-haemorrhagic vitamin. Biochem. Jour. 33: 1055-1060. July 1939.  
CRUESS, W.V. Observations on fruit and vegetable products abroad. Canner 89: 11, 24. July 29, 1939.  
ERILIAN, H. E. Comparison of small and large farmers under proration schemes. (Note) Jour. Farm Econ. 21(3) pt.1: 651-655.

---

\*Prepared in the Office of Experiment Stations Library



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (continued)

- EVANS, H. M. (With H. E. SIMPSON and R. I. PENCHARZ, Univ. of Calif.) Relation between the growth promoting effects of the pituitary and the thyroid hormone. *Endocrinol* 25: 175-182. Aug. 1939.
- LERNER, I. M. A statistical study of winter pause in White Leghorn pullets. *Jour. Agr. Research [U. S.]* 59: 199-210. Aug. 1, 1939.
- MRAK, E. M. (With L. BOMAR, Univ. Calif.) Film yeasts from pickle brines. *Zentbl. Bakt. [etc.] Abt. II*, 100: 289-294. June 1, 1939.
- RUDOLPH, B. A. (With G. J. HARRISON, U. S. Dept. Agr.) Attempts to control *Verticillium* wilt of cotton and breeding for resistance. (Abstract) *Phytopathology* 29: 753. Aug. 1939.
- SIMPSON, A. W. Plant indicators - concept and status. *Bot. Rev.* 5: 155-206. March 1939.
- THOMAS, H. E. (With R. A. GIMNER and C. E. SCOTT, Univ. Calif.) Rust of stone fruits. *Calif. Dept. Agr. Bul.* 28: 322-327. May 1939.
- TURRELL, F. M. On the cellular nature of the citrus juice sac. *Calif. Citrograph* 24: 326. Sept. 1939.
- YARWOOD, C. E. An overwintering pycnidial stage of *Cicinnobolus*. *Mycologia* 31: 420-422. July-Aug. 1939.

## Connecticut (Storrs)

- JUNGHEER, E., and CLANCY, C. F. Serologic types of *Salmonella* isolated from paratyphoid in chicks. *Jour. Infect. Diseases* 64: 1-17. Jan.-Feb. 1939.

## Florida

- WEST, E. Notes on Florida fungi. *Mycologia* 31: 423-432. July-Aug. 1939.

## Georgia

- BISSELL, T. L. Winter quarters of the spotted cucumber beetle and the cowpea curculio, and results of burning. *Jour. Econ. Ent.* 32: 456-553. Aug. 1939.
- COCHRAN, H. L. Growth and distribution of roots of the Perfection pimiento in Georgia. *Jour. Agr. Res. [U. S.]* 59: 185-197. Aug. 1, 1939.
- HADDEEN, S. J. A method of inducing an epiphytotic on rust in grain breeding nurseries. (Note) *Jour. Amer. Soc. Agron.* 31: 728-729. Aug. 1939.
- SMITH, A. L. Progress in soil-contamination studies with *Fusarium vasinfectum*. (Abstract) *Phytopathology* 29: 756. Aug. 1939.
- TAYLOR, A. L. (With L. D. BARNER and C. P. COWENS) Preliminary report on cotton wilt-nematode experiments at Lumberton, North Carolina. (Abstract) *Phytopathology* 29: 752. Aug. 1939.

## Hawaii

- BEAUMONT, J. H. An analysis of growth and yield relationships of coffee trees in the Kona district, Hawaii. *Jour. Agr. Research [U. S.]* 59: 223-235. Aug. 1, 1939.
- DEAN, L. A. Relationships between rainfall and coffee yields in the Kona district, Hawaii. *Jour. Agr. Research [U. S.]* 59: 217-222. Aug. 1, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

## Idaho

- HOGE, W. G., HALVENSEN, W.V., and CHERRINGTON, V.A. The effect of sulfonilamide therapy upon bovine mastitis as indicated by laboratory tests. Jour. Infect. Diseases 64: 27-35. Jan.-Feb. 1939.
- NORDEY, J.E. Inequalities in the digits in swine. Jour. Heredity 30: 307-310. July 1939.

## Illinois

- ANDERSON, H.W. History of chestnut blight in Illinois. North. Nut Growers Assoc. Rpt. 29(1938): 78-82. [1939?]
- BIGGER, J. H., and BAUER, F.C. Flowering dates as they affect the abundance of corn root aphids at Clayton, Illinois, 1929-1932. Jour. Amer. Soc. Agron. 31: 695-697. Aug. 1939. (J.H. BIGGER, Ill. State Nat. Hist. Surv.)
- BIGGER, J.H., and FLINT, W.P. Studies on the effect of crop rotation on some insects infesting corn roots in Illinois. Jour. Econ. Ent. 32: 565-571. Aug. 1939.
- GAINES, W.L. Graphic estimation of milk protein and milk energy. Jour. Dairy Sci. 22: 619-620. Aug. 1939.
- NORTON, L.J. Differentiation in marketing farm products. Jour. Farm Econ. 21(3) pt. 1: 567-594. Aug. 1939.

## Indiana

- BAINES, R.C. Phytophthora trunk canker or collar rot of apple trees. Jour. Agr. Research [U. S.] 59:159-184. Aug. 1, 1939.
- DAVIS, J.J. Relationship between the entomologist and pest control operators. Pests 7: 14. July 1939.
- DOYLE, L.P. Death losses in newborn pigs. Vet. Med. 34: 554-555. Sept. 1939.
- FICHT, G.A., and HENTON, E.E. Studies on the flight of European corn borer moths to light traps: a progress report. Jour. Econ. Ent. 32: 520-526. Aug. 1939.
- GOULD, G.E. Cucumber beetle control studies in 1937 and 1938. Jour. Econ. Ent. 32: 534-537. Aug. 1939.
- ROBERTS, J.L., and ROBERTS, E. Aurin production by soil microorganisms. Soil Sci. 48: 135-139. Aug. 1939.

## Iowa

- BEARD, F.J. Some basic aspects of locker plant operation. (Abstract) Canner 89: 15. July 22, 1939.
- BERRY, J.C., and LUSH, J.L. High records contrasted with unselected records and with average records as a basis for selecting cows. Jour. Dairy Sci. 22: 607-617. Aug. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Iowa (Continued)

- DRAKE, C.J. Three new species of Tingitidae (Hemiptera) from Australia. Pan-Pacific Ent. 15: 87-88. April 1939.
- KARLSON, A.G., and McNUTT, S.H. A microscopic agglutination test for the diagnosis of swine erysipelas. Jour. Infect. Diseases 64: 49-51. Jan.-Feb. 1939. (A. G. KARLSON, Iowa State Col.)
- ROBINSON, J.L. [and others]. Report of Committee on corn certification. Internatl. Crop Impr. Assoc. Ann. Rpt. 20 (1938): 35. [1939?]
- SCHULTZ, T. W. Theory of the firm and farm management research. Jour. Farm Econ. 21(3) pt. 1: 570-586. Aug. 1939.
- TINTNER, G. The theory and measurement of demand. Jour. Farm Econ. 21(3) pt. 1: 606-613. Aug. 1939.
- WIGGERT, W. P., and WERNERMAN, C. H. Fluoride sensitivity of Propionibacterium pentosaceum as a function of growth conditions. Biochem. Jour. 33: 1061-1069. July 1939. (W. P. WIGGERT, Iowa State Col.)

## Kansas

- BUSHNELL, L. D. Some studies on slow-lactose-fermentating bacteria. [Abstract?] Jour. Bact. 38: 234. Aug. 1939.
- FOLTZ, V. D. A report on the Hotis test. [Abstract?] Jour. Bact. 38: 233-234. Aug. 1939.
- NELSON, F.E. Investigations of the use of the resazurin test for grading milk. [Abstract?] Jour. Bact. 38: 233. Aug. 1939.
- WILBUR, D. A., and FRITZ, R. Use of shoebox emergence cages in the collection of insects inhabiting grasses. Jour. Econ. Ent. 32: 571-573. Aug. 1939.

## Kentucky

- OFFUTT, E. B., CALFEE, R. K., and McHARGUE, J. S. An apparatus made from glass for the continuous watering of pot cultures. (Note) Jour. Amer. Soc. Agron. 31: 725-728. Aug. 1939.
- RITCHER, P. O. Observation on white grub pupation. Kans. Ent. Soc. Jour. 12: 64-69. April 1939.

## Louisiana

- FORBES, I. L. Factors affecting the development of Puccinia coronata in Louisiana. Phytopathology 29: 659-684. Aug. 1939.
- NEAL, D. C. Artificial inoculation with the cotton-wilt fungus, Fusarium vasinfectum. (Abstract) Phytopathology 29: 755-756. Aug. 1939.
- NEAL, D. C. Seed-treatment tests with cotton in 1938. (Abstract) Phytopathology 29: 754. Aug. 1939.
- PERSON, L.H. Further studies on control of soil rot of sweetpotatoes. (Abstract) Phytopathology 29: 750. Aug. 1939.
- PERSON, L. H. Seed and soil treatments for combating damping-off of tomatoes, eggplants, and peppers. (Abstract) Phytopathology 29: 750. Aug. 1939.
- PLAKIDAS, A. G. Bordeaux injury to cucumbers. (Abstract) Phytopathology 29: 751. Aug. 1939.
- RYKER, T. C. Leaf blotch, a new disease of rice and certain native plants in Louisiana. (Abstract) Phytopathology 29: 749-750. Aug. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

## Maine

- HILBORN, M. T. (With D. H. LINDER, Harvard Univ.) The synonymy of *Fomes fomentarius*. *Mycologia* 31: 418-419. July-Aug. 1939.  
LATHEROP, F.H. Ten years of warfare against the blueberry maggot. *Jour. Econ. Ent.* 32: 510-513. Aug. 1939.

## Maryland

- DITMAN, L.P., CORY, E.N., and GRAHAM, C. Studies on pea aphid control. *Jour. Econ. Ent.* 32: 537-546. Aug. 1939.  
GRAHAM, C., and CORY, E.N. Field tests on control of the pea aphid, *Illinoia pisi* (Kltb.). *Jour. Econ. Ent.* 32: 574-576. Aug. 1939.

## Massachusetts

- HUELLER, W.S. Factors to be considered in selecting chocolate-flavored milk. *Jour. Dairy Sci.* 22: 623-636. Aug. 1939.  
VAN MEETER, R. A. Minimizing winter injury. *North. Nut Growers' Assoc. Rpt.* 29(1938): 44-47. [1939?]

## Michigan

- CARDINELL, H. A. Report on nut investigations in Michigan. *North. Nut Growers Assoc. Rpt.* 29(1938): 83-84. [1939?].  
COOK, R.L. (With E.J. BIRDSALL, Mich. State Col.) A sampler for surface soils. (Note) *Jour. Amer. Soc. Agron.* 31: 736-737. Aug. 1939.

## Minnesota

- CRIM, R.F. [and others] Report of the Committee on small grain. *Internatl. Crop Impr. Assoc. Ann. Rpt.* 20(1938): 39-40. [1939?].  
HAYES, H.K., and JOHNSON, I.J. The breeding of improved selfed lines of corn. *Jour. Amer. Soc. Agron.* 31: 710-724. Aug. 1939.  
HUTCHINS, A.E. Vegetables - culture in the garden. Part 20. Leek and winter onions. *Minn. Hort.* 67: 131. Aug. 1939.  
MACY, H. High bacterial counts in pasteurized milk - some factors involved. *Milk Plant Mo.* 28(7): 37-38, 40; (8): 56-67. July, Aug. 1939.  
RILEY, W.A., and CHALGREN, W. The pest mosquito problem in the Minneapolis-St. Paul metropolitan area. *Jour. Econ. Ent.* 32: 553-557. Aug. 1939.

## Mississippi

- ANDREWS, W.B. The crop-producing value of vetch roots. (Note) *Jour. Amer. Soc. Agron.* 31: 735-736. Aug. 1939.  
DOLMAN, C., and COLEMAN, R. Effect of available phosphorus in southern soils upon crop yields. *Jour. Amer. Soc. Agron.* 31: 671-677. Aug. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Mississippi (continued)

- MILES, L. E. Effect of period and type of storage of cotton seed after treatment with organic mercury dusts. (Abstract) *Phytopathology* 29: 754. Aug. 1939.
- MILES, L. E. Some tests of varietal susceptibility to a combination of nematodes and cotton wilt. (Abstract) *Phytopathology* 29: 755. Aug. 1939.

## Missouri

- HAMMAR, C. H. Intensity and land rent - a rejoinder. (Note) *Jour. Farm Econ.* 21(3) pt. 1: 668-670. Aug. 1939.
- HAMMAR, C. H. Investment policy for farm purchases. (Note) *Jour. Farm Econ.* 21(3) pt. 1: 655-661. Aug. 1939.
- HOUCHIN, O. B., and TURNER, C. W. A method of assay for the fat metabolism hormone of the anterior pituitary. *Endocrinol.* 25: 216-220. Aug. 1939.

## Nebraska

- DULEY, F. L., and RUSSEL, J. C. The use of crop residues for soil and moisture conservation. *Jour. Amer. Soc. Agron.* 31: 703-709. Aug. 1939. (In Coop. with U. S. Dept. Agr.).

## New Jersey

- BENDER, C. B., and ROSSHARDT, D. K. Grass silage: a critical review of the literature. *Jour. Dairy Sci.* 22: 637-651. Aug. 1939.
- CHANG, S.C. The transformation of phosphorus during the decomposition of plant materials. *Soil Sci.* 48: 85-99. Aug. 1939.
- TAYLOR, M. W., RUSSELL, W. C., and BENDER, C. B. A comparison of the vitamin A protein and carotene content of different types of silage. *Jour. Dairy Sci.* 22: 591-597. Aug. 1939.

## New York (Cornell)

- CURTIS, O. F. Education by authority or for authority? Are science teachers teaching science? *Science* 90: 93-101. Aug. 4, 1939.
- DORN, F. L., and RAHN, O. Definition versus measurement of optimal temperature. *Archiv. f. Mikrobiol.* 10: 6-12. March 23, 1939. (F. L. DORN, Cornell Univ.)
- RAHN, O., (With F. M. BIGWOOD, Cornell Univ.) The effect of low temperature on *Streptococcus lactis*. *Arch. f. Mikrobiol.* 10: 1-5. March 23, 1939.
- SMOCK, R. M. Wax emulsions for deciduous fruits. *Amer. Fruit Grower* 59: 5, 9, 15. Aug. 1939.

## New York State

- WILLITS, C. O., and TRESSLER, C. J., Jr. The preparation and painting of maple-sugar-producing equipment. *Jour. Agr. Research [U. S.]* 59: 151-158. July 15, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

North Carolina

- LEHMAN, S. G.    Seedling survival as affected by certain mercury, copper, and zinc preparations not included in the regional cotton seed treatment tests for 1938.    (Abstract)    Phytopathology 29: 755.    Aug. 1939.
- POOLE, R. F.    The necessity of rotation of crops for the control of diseases of the sweetpotato.    (Abstract)    Phytopathology 29: 750.    Aug. 1939.
- POOLE, R. F.    The possible control of root-rot fungi by soil treatment with chemicals.    (Abstract)    Phytopathology 29: 750.    Aug. 1939.

North Dakota

- HARRIS, R. H.    The importance of durum wheat in American agriculture and industry. Part 1. Durum wheat - its development, properties, and use. Macaroni Jour. 21: 6-8, 10.    Aug. 15, 1939.

Ohio

- BETHKE, R. M.    Soybean oil meal - up-to-date.    Vet. Med. 34: 546-547.    Sept. 1939.
- GERLAUGH, P.    The three of us - the feed industry, the veterinarian and the livestock producer.    Vet. Med. 34: 548-549.    Sept. 1939.
- SUTTON, T. S., and BRIEF, B. J.    Physiological changes in the anterior hypophysis of vitamin A-deficient rats.    Endocrinol. 25: 302-307.    Aug. 1939.

Oklahoma

- VOLK, G. W., and HARPER, H. J.    A revised method for the microscopic examination of natural structure and pore space in soils.    Soil Sci. 48: 141-147.    Aug. 1939.

Oregon

- DUNN, L. E.    Influence of low temperature treatments on the germination of seeds of sweet clover and smooth vetch.    Jour. Amer. Soc. Agron. 31: 687-694.    Aug. 1939.
- MONROE, C. G., and HILL, D. D.    Methods for determining the percentage of seeds, strigs, stems, and leaves in commercial hops.    Jour. Amer. Soc. Agron. 31: 698-702.    Aug. 1939.

Pennsylvania

- GALLAGHER, F. H., and STONE, R. W.    Dissimilation of glucose by members of the genus Bacillus. [Abstract?]    Jour. Bact. 38: 235.    Aug. 1939.    (F. H. Gallagher, Pa. State Col.)



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Pennsylvania (continued)

- HARRIS, R. G., NAGHSKI, J., FARRELL, M. A., and REID, J. J. The relation of the soluble specific substance to virulence and specificity in bacterial leafspot organisms. [Abstract?] Jour. Bact. 38: 235-236. Aug. 1939.
- KERN, F. D. Chardoniella - a new genus of the Uredinales. Mycologia 31: 373-375. July-Aug. 1939.

## South Carolina

- COOPER, H. P. Some problems in adjusting southern agriculture. Amer. Fert. 91: 5-7, 22, 24, 26. July 22, 1939.
- WEINDLING, R. Variability of Fusarium vasinfectum in culture. (Abstract) Phytopathology 29: 755. Aug. 1939.

## South Dakota

- HOWLDS, M. Seed color studies in biennial white sweet clover, Melilotus alba. Jour. Amer. Soc. Agron. 31: 678-686. Aug. 1939.
- SEVERIN, H. C. The brown-banded cockroach in South Dakota. (Note) Jour. Econ. Ent. 32: 595. Aug. 1939.
- WALLIS, G. C. The vitamin D of alfalfa and prairie hay and its utilization by dairy cows. Jour. Dairy Sci. 22: 599-606. Aug. 1939.

## Tennessee

- ANDES, J. O. Difference in susceptibility of tomato varieties to Septoria and Macrosporium leaf spots. (Abstract) Phytopathology 29: 750. Aug. 1939.
- SHERBAKOFF, C. D. Root-knot nematodes on cotton and tomatoes in Tennessee. (Abstract) Phytopathology 29: 751-752. Aug. 1939.

## Texas

- EZEKIEL, W. N. Girdling of cotton plants as affecting survival of Phymatotrichum omnivorum. (Abstract) Phytopathology 29: 753. Aug. 1939.
- EZEKIEL, W. N. Relation of variations in rainfall in 1938 to prevalence of cotton root rot. (Abstract) Phytopathology 29: 752-753. Aug. 1939.
- PEARSON, P. B. The nicotinic acid content of the blood of mammalia. Jour. Biol. Chem. 129: 491-494. Aug. 1939.
- REINHARD, H. J. New and little known Phyllophaga from Texas (Scarabaeidae, Coleoptera). Kans. Ent. Soc. Jour. 12: 47-63. April 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Virginia

- COX, J. A.    A preliminary report on the woolly aphids of apple and hawthorn.  
Jour. Econ. Ent. 32: 477-483.    Aug. 1939.
- DOMINICK, C. B.    Notes on the tobacco flea beetle, *Epitrix parvula* (F.).    Jour.  
Econ. Ent. 32: 495-498.    Aug. 1939.
- PINCKARD, J. A. (With L. BOZOVAISKY)    Carbon dioxide evolution from certain  
soils in relation to black root rot of flue-cured tobacco. (Abstract) Phyto-  
pathology 29: 751.    Aug. 1939.

Virginia (Truck)

- WALKER, H. G., and ANDERSON, L. D.    Control of truck crop aphids.    Jour. Econ.  
Ent. 32: 498-505.    Aug. 1939.
- WALKER, H. G., and ANDERSON, L. D.    Desilking sweet corn to control corn ear  
worms, and notes on control of armyworms.    Jour. Econ. Ent. 32: 492-  
495.    Aug. 1939.

Wisconsin

- EVANS, R. J., and PHILLIPS, P. H.    The fluorine content of various fractions of  
milk and commercial caseins.    Jour. Dairy Sci. 22: 621-622.    Aug. 1939.
- HEGSTED, D. M., PORTER, J. W., and PETERSON, W. H.    Determination of carotene  
in silage: an improved method.    Indus. and Engin. Chem. (Anal. Ed.) 11:  
256-258.    May 15, 1939.
- MEHLICH, A.    Growth of *Cunninghamella Blakesleeana* as influenced by forms of  
nitrogen and phosphorus under varying conditions.    Soil Sci. 48: 121-133.  
Aug. 1939.
- REHLING, C. J., and TRUOG, E.    Activated sludge - Milorganite: constituents,  
elements, and growth-producing substances.    Indus. and Engin. Chem. (Anal.  
Ed.) 11: 281-283.    May 15, 1939. (C. J. Rehling, Univ. Wis.)
- SMITH, W. K.    The alleged protective action of alfalfa against the hemorrhagic  
sweet clover disease.    Jour. Agr. Research [U. S.] 59: 211-215.    Aug. 1,  
1939. (In Coop. with U. S. Dept. Agr.)
- WOOLLEY, D. W., WAISMAN, H. A., and ELVEHJEM, C. A.    Studies on the structure  
of the chick antidermatitis factor.    Jour. Biol. Chem. 129: 673-679.    Aug.  
1939.

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- Appleton, J. B. comp. The Pacific northwest; a selected bibliography covering completed research in the natural resource and socio-economic fields, an annotated list of in-progress and contemplated research, together with critical comments, 1930-39. Portland, Ore., Northwest regional council, 1939. 3 p. 242 Ap5
- California library association. Southern district. Union list of serials in libraries of southern California. Ann Arbor, Mich., Edwards, 1939. (Publication no. 3 of the Public library, Los Angeles) 504 p. 241.9 C122
- London. Science museum. Science library. Science library bibliographical series.  
 No. 460. Chemical composition of products of the Kapok tree. 1939. 2 p. Processed. 241.5 L842  
 No. 462. The respiration of insects. References from 1930-date. 1939. 11 p. Processed. 241.5 L842  
 No. 464. A list of recent books on the chemistry of vitamins. 1939. 1 p. Processed. 241.5 L842  
 No. 467. Granular materials, their storage and allied subjects. 1930 to date. 1939. 2 p. Processed. 241.5 L842  
 No. 469. Select list of books on agriculture in the Science Library published since 1920 (including forestry but excluding ornamental horticulture and veterinary medicine). Second edition of No. 231. 1939. 14 p. Processed. 241.5 L842.
- Mann, G. C. Bibliography on consumer education. Sponsored by Foundation for consumer education. New York, Harper, 1939. 286 p. 241.3 M31
- Special libraries association. San Francisco bay region chapter. Union list of serials of the San Francisco bay region. Stanford, University press, 1939. 283 p. Processed. 241.9 Sp36

## U. S. Department of Agriculture

- Bureau of agricultural chemistry and engineering.  
 Partial list of manufacturers of commercial freezing equipment. 1939. 2 p. (Issued by Food research division.) 1.932 F5P25  
 Plastics; list of manufacturers of various plastics. 1939. 5 p. (Issued by Industrial farm products research division.) 1.932 I2P69  
 Publications on sweetpotato starch. 1939. 1 p. (Issued by the Carbohydrate research division.) 1.932 C2P96
- Bureau of chemistry and soils.  
 List of bibliographies and patent lists compiled in the Food research division. June 28, 1939. 3 p. (Issued by the Food research division.) 1.9 C4925Lb
- Extension service.  
 Motion pictures of the United States Department of agriculture. June 1939. 35 p. 1.9 Ex894Mo
- Soil conservation service.  
 List of publications and reports. Sedimentation studies division, January 1, 1935 - July 1, 1939. 1939. 7 p. 1.96 R31L



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1939\*

## Alabama

- DAVIS, P. O. A handbook of Alabama agriculture. 271 p. diags.  
Ala. Poly Inst. Ext. June 1939. Auburn.

## Florida

- STANTON, E. F., and others. Final report of the twelfth Florida  
national egg-laying test, Chipley, Florida, October 1, 1937, to Septem-  
ber 22, 1938. 19 p. Fla. Univ. Agr. Ext. 1939. Gainesville.

## Georgia

- FITCH, F. W. The family milk cow on Georgia farms. 10 p. illus.  
(Ga. Agr. Col. Ext. Bul. 471.) Athens, 1939.  
BORDERS, H. I. Diseases of field and orchard crops in Georgia and  
recommended control measures. 24 p. (Ga. Agr. Col. Ext. Circ. 277,  
rev.) Athens, 1939. Mimeographed.  
BORDERS, H. I. Diseases of vegetable crops in Georgia and recommended  
control measures. 14 p. Ga. Agr. Col. Ext. [1939?] Athens.  
Mimeographed.

## Idaho

- MOORE, P., and others. Suggested ventilation and insulation for poultry  
house remodeling. 4 p. diags. (Idaho Univ. Agr. Col. Ext. Mimeo-  
Leaflet 16.) Moscow, 1939. Mimeographed.

## Illinois

- ALP, H. H. High-quality eggs for Illinois markets. 32 p. illus.  
(Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 494.) Urbana, 1939.  
NEVENS, W. B., and KUHLMAN, A. F. Teaching dairy-cattle selection.  
28 p. illus. (Ill. Univ. Agr. Expt. Sta. and Ext. Serv. Circ. 495.)  
Urbana, 1939.  
References, p. 27-28.

## Kentucky

- KARRAKER, P. E. Soils, and elementary treatise. 63 p. illus. (Ky.  
Agr. Col. Ext. Circ. 54, 5th ed., rev.) Lexington, 1939.

---

\* Prepared in the Office of Experiment Stations Library.

-----  
LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1939  
(continued)

Massachusetts

- KLEIN, G. T. Poultry feeding. 12 p. illus. (Mass. State Col. Ext. Leaflet 6, rev.) Amherst, 1939.
- GUBA, E. F., and WHITCOMB, W. D. Control calendar for vegetable pests. 24 p. illus. (Mass. State Col. Ext. Leaflet 116, rev.) Amherst, 1939.
- DAVIS, A. M., and THAYER, C. L. Annuals in the garden. 8 p. illus. (Mass. State Col. Ext. Leaflet 149 [rev.]) Amherst, 1939.
- MUNSON, W. A. 25 years of cooperation with Massachusetts farmers. 25th annual report of the Massachusetts Extension Service. 25 years in review. 32 p. illus. (Mass. State Col. Ext. Leaflet 168-A) Amherst, 1939.
- CURTIS, J. D. Pruning white pine to produce valuable lumber. 8 p. illus. (Mass. State Col. Ext. Leaflet 170.) Amherst, 1939.

Michigan

- MEGEE, C. R. Sweet clover. 12 p. illus. (Mich. State Col. Ext. Bul. 202.) East Lansing, 1939.
- BARRETT, P. M. Conserving soil by better land-use practices. 31 p. illus. (Mich. State Col. Ext. Bul. 203.) East Lansing, 1939.
- CORBETT, LOIS M. The well-dressed girl in cotton, project I. 31 p. illus. (Mich. State Col. Ext. Club Bul. 9-A (rev.) East Lansing, 1939.
- PEARSON, NEVELS, and others, eds. 4-H colt club manual. 48 p. illus. (Mich. State Col. Ext. Club Bul. 39.) East Lansing, 1939.

Minnesota

- PETERS, W. H., and MORRIS, W. E. Beef production. 24 p. illus. (Minn. Univ. Agr. Ext. Bul. 146, rev.) University Farm, St. Paul, 1939.
- BILLINGS, W. A. Timely truths about poultry troubles. 32 p. illus. (Minn. Univ. Agr. Ext. Bul. 154, rev.) University Farm, St. Paul, 1939.
- BRIERLEY, W. G., and WINTER, J. D. Growing red raspberries for market. 16 p. illus. (Minn. Univ. Agr. Ext. Bul. 199.) University Farm, St. Paul, 1939.
- ROE, H. B., and NEAL, J. H. Soil erosion control. 36 p. illus. (Minn. Univ. Agr. Ext. Bul. 201.) University Farm, St. Paul, 1939.
- WARRINGTON, S. T. Refrigerated locker service for rural patrons. 16 p. illus. (Minn. Univ. Agr. Ext. Bul. 202.) University Farm, St. Paul, 1939.
- FITCH, J. B., and others. Using skim milk on the farm. 6 p. (Minn. Univ. Agr. Ext. Folder 73.) University Farm, St. Paul, 1939.
- GULLICKSON, T. W. Care and feeding of the dairy calf. 6 p. (Minn. Univ. Agr. Ext. Folder 74.) University Farm, St. Paul, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1939

## Minnesota (continued)

- ROSE, R. C. Spraying and dusting potatoes. 6 p. illus. (Minn. Univ. Agr. Ext. Folder 76.) University Farm, St. Paul, 1939.
- The Lamberton chlorate and fertilizer spreader. Designed at the Cooperative Weed Experiment Station, Lamberton, Minn. 8 p. diagrs. (Minn. Univ. Agr. Ext. Folder 78.) University Farm, St. Paul, 1939.
- WESSEL, AMY, and others. Fourth year clothing project. 8 p. illus. (Minn. Univ. Agr. Ext. 4-H Bul. 20.) University Farm, St. Paul, 1939.
- CLELAND, S. B. A farm management service in action. 8 p. illus. (Minn. Univ. Agr. Ext. Pamphlet 60.) University Farm, St. Paul, 1939.
- COX, R. W., and HALVORSON, L. C. Cash expenses of Minnesota farms. (Minn. Univ. Agr. Ext. Farm Business Notes no. 199, p. 1-2. July 1939.) University Farm, St. Paul.

## Nebraska

- GROSS, D. L., and FITTS, W. J. Cropping practices under irrigation. 6 p. illus. (Nebr. Agr. Col. Ext. Circ. 113.) Lincoln, [1939]  
Mimeographed.
- MILLER, R. H. Draft horse management. 44 p. illus. (Nebr. Agr. Col. Ext. Circ. 206.) Lincoln, 1939.
- Silage: Harvesting, storing and feeding. Prepared by Departments of Animal Husbandry, Agronomy, Agricultural Engineering, Dairy Husbandry. 12 p. diagr. (Nebr. Agr. Col. Ext. Emergency Circ. 768.) Lincoln, 1939. Mimeographed.
- Twelfth annual farm business report, forty-eight Hamilton county farms, 1938. 15 p. illus. (Nebr. Agr. Col. Ext. Circ. 854, 1938.) Lincoln, 1939. Mimeographed.
- Trap nests for turkeys. 2 p. diagr. (Nebr. Agr. Col. Ext. Circ. 1401.) Lincoln, 1939. Mimeographed.
- CLAYBAUGH, J. H., and LOPER, R. M. Summer shelter for pullets. 12 p. illus. (Nebr. Agr. Col. Ext. Circ. 1402.) Lincoln, 1939.  
Mimeographed.

## New York

- FAIRBANKS, F. L., and HEUSER, G. F. Artificial illumination of poultry laying houses for winter egg production. 42 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 411.) Ithaca, 1939.
- TYLER, H. S. Buying a farm in New York. 36 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 412.) Ithaca, 1939.
- ASDELL, S. A., and MARQUARDT, J. C. The dairy goat. 39 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 414.) Ithaca, 1939.  
References, p. 35-36.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1939  
(Continued)

- GAITHER, E. W., and others. Facing farm facts: Food for the family; feed for the livestock; fertility for the soil. 12 p. (N. C. Agr. Col. Ext. Circ. 235.) State College Station, Raleigh, 1939.
- SHAW, LUTHER Control of leaf spot and scorch of strawberries. 8 p. illus. (N. C. Agr. Col. Ext. Circ. 236.) State College Station, Raleigh, 1939.
- GAITHER, E. W., and BLAIR, E. C. Making hay in North Carolina. 19 p. illus. (N. C. Agr. Col. Ext. Circ. 237.) State College Station, Raleigh, 1939.

North Dakota

- BARTON, O. A. Killing and dressing poultry. 12 p. illus. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1939.
- DAWSON, RUTH Home canning of vegetables and fruits. 14 p. illus. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1939.
- DAY, FLORENCE P. Outlook for farm family living in North Dakota, 1939. 15 p. diagr. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.
- MCCOLLY, H. F., and BUCK, FOSTER Homemade six-volt wind-electric plants. 19 p. illus. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1939.
- MUNRO, J. A. Insect pests of trees and gardens. 64 p. illus. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1939.
- OLSON, R. L., and BOLIN, F. M. Internal parasites of sheep. 8 p. illus. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1939.
- Time tables for canning. 2 p. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1939.
- YEAGER, A. F. Plants in the home. Revised by Harry A. Graves. 31 p. illus. (N. Dak. Agr. Col. Ext. Spec. Circ. [unnumb.]) State College Station, Fargo, 1938.

Oregon

- COSBY, H. E. Feeding laying hens. 16 p. illus. (Oreg. State Col. Ext. Bul. 526.) Corvallis, 1939.
- POTTER, E. L., and LINDGREN, H. A. Marketing the surplus wheat of the Pacific Northwest through livestock. 24 p. illus. (Oreg. State Col. Ext. Bul. 527.) Corvallis, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1939

(Continued)

## Pennsylvania

NISSLEY, W. B., and HUFFINGTON, J. M. The family vegetable garden.  
42 p. illus. (Pa. State Col. Ext. Circ. 120, rev.) State College,  
1939.

Freezer storage helps market farm products. (Pa. State Col. Ext. Pa.  
Farm Economics no. 3, p. 1-2, diagr. Aug. 1939.) State College.

## Rhode Island

How shall we use our farm lands profitably? 23 p. diagrs. R. I. State  
Col. Ext. 1938. Kingston, Mimeographed.

## South Carolina

Gooding, P. H. Laying houses and equipment. 20 p. illus. (Clemson  
Agr. Col. (S. C.) Ext. Circ. 174.) Clemson, 1939.

CLAYTON, LEON Making extra dollars on the farm. (Clemson Agr. Col.  
(S. C.) Ext. The Carolina Club Boy v. 16, no. 7, p. 1, 2. July 1939.)  
Clemson.

## South Dakota

WEBSTER, KATHRYN Woodcraft. 6 p. illus. (S. Dak. State Col. Ext.  
Mimeo. Circ. 194.) Brookings, 1938.

WEBSTER, KATHRYN Providing more pleasures. 6 p. (S. Dak. State Col.  
Ext. Mimeo. Circ. 199.) Brookings, 1938.

WEBSTER, KATHRYN Needlecraft. 9 p. illus. (S. Dak. State Col. Ext.  
Mimeo. Circ. 202.) Brookings, 1939.

WEBSTER, KATHRYN Keeping up-to-date. 4 p. illus. (S. Dak. State Col.  
Ext. Mimeo. Circ. 204.) Brookings, 1939.

COVERT, MARY A. Pictures in the home. 11 p. illus. (S. Dak. State  
Col. Ext. Mimeo. Circ. 207.) Brookings, 1939.

WEBSTER, KATHRYN Strengthening securities. 5 p. illus. (S. Dak.  
State Col. Ext. Mimeo. Circ. 208-HM.) Brookings, 1939.

## References.

SIMONSON, M. H., and POLEY, W. E. Rearing turkeys in semi-confinement  
in South Dakota. 19 p. diagrs. (S. Dak. State Col. Ext. Circ. 210.)  
Brookings, 1939. Mimeographed.

MCDONALD, G. A. Wool, shearing, grading and marketing. 11 p. illus.  
(S. Dak. State Col. Ext. Mimeo. Circ. 212.) Brookings, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING AUGUST 1939.

(Continued)

## Utah

- MILLER, ELNA Eggs as you like them. 7 p. illus. (Utah Agr. Col. Ext. Circ. N. S. 101.) Logan, 1939.
- MILLER, ELNA Can the safe way. 19 p. illus. (Utah Agr. Col. Ext. Circ. N. S. 102.) Logan, 1939.

## Vermont

- CARRIGAN, J. E. Twenty-fourth annual report of cooperative extension work in agriculture and home economics, state of Vermont, for the year 1938. 32 p. illus. (Vt. Agr. Col. Ext. Bul. 24.) Burlington, 1939.
- Extension service publications available, numerical list, 6 p. (Vt. Agr. Col. Ext. Brieflet 530A.) Burlington, 1939. Mimeographed.
- Extension service publications available, classified list. 8 p. (Vt. Agr. Col. Ext. Brieflet 530B.) Burlington, 1939. Mimeographed.
- TARRANT, LYDIA The cause and prevention of colds. 9 p. illus. (Vt. Agr. Col. Ext. Brieflet 531.) Burlington, 1939. Mimeographed.

## Virginia

- Roadside markets. (Va. Agr. Col. Ext., Extension Division News v. 21, no. 10, p. 1, 4. Aug. 1939.) Blacksburg.

## West Virginia

- HUMPEREYS, GERTRUDE A firm footing for fine figures. 6 p. illus. (W. Va. Agr. Col. Ext. Adventures in Community Living, Good Living Ser. VII, Lesson no. 8.) Morgantown, 1939.

## Wisconsin

- WITZEL, S. A. The Wisconsin two story poultry house. 4 p. illus. (Wis. Agr. Col. Ext. Circ. 292.) Madison, 1939.
- Ways of using beef liver and hog liver. By Home Economics Department. 6 p. illus. (Wis. Agr. Col. Ext. Spec. Stenc. Circ. [unnumb.] rev.) Madison, 1939. Revision of Stencil Circ. 112.

## Wyoming

- BOYD, G. W. A water system for the farm home. 15 p. illus. (Wyo. Agr. Col. Ext. Circ. 69.) Laramie, 1939.



SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during August 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Office of the Secretary

Present job of government and private capital in our democracy. Statement by the secretary. Originally issued in 1938; reissued in 1939. 7 p. 1.9 Ag86Pj

Agricultural Adjustment Administration

Educated consumers make better citizens. Address prepared by Donald E. Montgomery, Consumers' counsel. Read at the National convention of the National education association, San Francisco, California, July 5, 1939. 7 p. 1.94 Ad422Ad

"On the spot." Know your fabrics, chemicals, and techniques if you want to cut cleaning costs by home doctoring of spots. (CS-82) 1939. 13 p. 1.94 Ad422Cs

The share of the domestic beef market supplied by the American Beef producer. 1939. 3 p. Issued by the Division of information. 1.94 Ad45Sdb

The share of the domestic corn market supplied by the American corn producer. 1939. 2 p. Issued by the Division of information. 1.94 Ad45Sdc

The share of the domestic dairy market supplied by the American producer. 1939. 2 p. Issued by the Division of information. 1.94 Ad45Sdd

The share of the domestic market supplied by the American farmer. 1939. 2 p. Issued by the Division of information. 1.94 Ad45Sd

The share of the domestic pork market supplied by the American pork producer. 1939. 2 p. Issued by the Division of information. 1.94 Ad45Sdp

You'll have better exhibits. 1939. 13 p. Issued by the A.A.A. and Extension service. 1.94 Ad45Yo

Bureau of Agricultural Chemistry and Engineering

Electricity in the production of quality milk. An address by Harry L. Garver. Given on Rural electrification day, Annual farm and home week program, University of Georgia, Athens, Ga., Aug. 8, 1939. (ACE-4) 11 p. 1.932 A2Ag8

Rosin straining. By G. P. Shingler and E. L. Patton, Naval stores station. (ACE-1) 1939. 3 p. 1.932 A2Ag8

---

\*Bibliographies included in general list of bibliographies on page 5-24

\*\*For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

-----  
SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Agricultural Marketing Service

- Disposition and value of milk produced on farms 1937 and 1938. 1939.  
5 p. 1.942 D22M59
- Grain stocks on farms. July 1, 1926-1937. By states. 1939. 6 p. 1.942  
G22G76
- Preparation of flue-cured tobacco for market. By Hugh W. Taylor.  
July 1939. 11 p. 1.942 T3F67
- Promoting better ginning practices by application of results of ginning  
investigations. By Francis L. Gerdes and Charles A. Bennett. Stone-  
ville, 1939. 5 p. Presented by Senior author before a meeting of  
the Arkansas cotton ginner's association, Hot Springs, Arkansas,  
July 17, 1939. 1.942 C5P94
- Relation of the ammonia content of cottonseed to the quantity and qual-  
ity of cake produced. By C. S. Meloy. 1939. 3 p. 1.942 C32C821
- Rules and regulations to govern the inspection, sampling, and certification  
of cottonseed sold or offered for sale for crushing purposes. As  
amended July 18, 1939. July 1939. 11 p. 1.942 C33C82
- Tobacco inspection, market news, and demonstration services (Flue-cured).  
By Hugh W. Taylor. July 1939. 17 p. 1.942 T33 F67
- U. S. standards for cauliflower (effective August 7, 1939). 1939. 3 p.  
1.942 V32C31
- U. S. standards for milled rice as revised, effective Aug. 1, 1939.  
July 1939. 16 p. 1.942 G32R36
- U. S. standards for pears (Effective July 1, 1939). 10 p. 1.942 F32P31
- U. S. standards for rough rice as amended, effective Aug. 1, 1939. July  
1939. 13 p. 1.942 G32R361

Bureau of Entomology and Plant Quarantine

- The brown dog tick with suggestions for its control. By F. C. Bishopp.  
Issued Sept. 1931; revised July 1939. (E-292 Revised) 3 p. 1.9 En83
- A dust delivery tube for laboratory experiments with contact insecticides.  
By Robert A. Fisher. 1939. (ET-151). 3 p. 1.9 En83Et

SELECTED LIST OF PROCESSED PUBLICATIONS

Bureau of Entomology and Plant Quarantine (continued)

The use of methyl bromide for the treatment of quarantined plant products. By Lon A. Hawkins. July 1939. (E-484). 6 p. 1.9 En83

White grubs in forest nurseries of the Carolinas. By H. R. Johnston and C. B. Eaton. July 1939. (E-486). 8 p. 1.9 En83

Farm Security Administration

How the European countries have solved their housing problems. By Dorris M. Porter, assistant chief of Home management. 1939. 4 p. Paper presented at the recent meeting of the American home economics association at San Antonio, Texas. June 1939. 1.95 E75H

Office of Foreign Agricultural Relations

Foreign trade statistics; official sources for specified countries. Compiled by Caroline G. Gries. 1939. 17 p. 1.943 F76

Forest Service

American woods. Western larch (*Larix occidentalis*). By H. S. Betts. June 1939. 7 p. 1.9 F76Am

Suggestions for integrating forestry in the modern curriculum. By W. P. Beard. July 1939. 4 p. Issued by the Division of information and education. 1.962 I2Su3

Truck logging with detachable trailers. By R. R. Reynolds. 1939. (Occasional paper no. 85). Issued by the Forest experiment station, Southern, New Orleans, La. 1.9 F76240

Bureau of Home Economics

Homemade pickles and relishes. 1939. 8 p. 1.982 F2H75

Bureau of Plant Industry

Chemical weed-killers for sterilizing soil. By L. W. Kephart. 1939. 6 p. Issued by the Division of Cereal crops and diseases. 1.965 C2C42

A homemade spreader for dry sodium chlorate. By L. M. Stahler and L. W. Kephart. 1939. 11 p. Issued by the Division of cereal crops and diseases. 1.965 C2H75

The mycological collections of the Bureau of plant industry; a brief summary of their contents, and a guide to their use. By John A. Stevenson. 1939. 14 p. 1.965 M2M99



- - - - -

FIFTY YEARS OF EXPERIMENT STATION RECORD

The current issue of the Record begins a new half century of service. It was in September 1889 that the Office, then under the direction of Dr. W. O. Atwater, undertook to meet the need which had been visualized in the 1888 report of the Commissioner of Agriculture for "a journal for the stations to contain accounts of their current research, abstracts of similar work in this and other countries, and other matters of mutual interest..., in short, a means to provide prompt and constant intercommunication between the stations and bring them from outside what they want to know." This journal appropriately received the title of Experiment Station Record.

At the time publication was begun, less than 2 years had elapsed since the first Federal payments to the States under the Hatch Act of 1887. However, experiment stations had been established under its provisions in 40 States and Territories, and in most of these publications had been issued or were under way. A digest of Annual Reports of the Agricultural Experiment Stations for 1888 had also been prepared by the Office, but this did not include publications other than the annual reports, nor did it meet the need for frequent and regular assembling and summarizing of the considerable amount of new and much-needed information which the stations were bringing to light from day to day and disseminating more or less locally through diverse channels. Furthermore, it made no adequate provision for the furnishing to the stations of the "advice and assistance" contemplated by the Hatch Act, and gave no opportunity for the exercise of leadership by the Office in bringing the stations together and coordinating their work.

Volume 1, number 1, of the Record therefore was gotten out by the Office staff as the beginning of "a current record in brief outline of the results of experiment station and kindred work." Besides the abstracts of station literature, provision was made for including "brief accounts of the publications and work of this Department and such information for station workers and others interested in agricultural science as may from time to time be deemed advisable." Editorial notes, later expanded into formal editorials, were begun in the second issue for the discussion of topics of direct interest to the stations, and news notes with volume 2 as "a helpful means for keeping the stations advised of one another's work and plans and for showing the general public more of the spirit and tendencies of the stations, the kinds of work they are doing, the aid and recognition they are receiving, and the advances they are making."

The need which was realized from the beginning of acquainting station and Department workers and others with current research in agricultural science outside the United States was met in part in 1890 by the inclusion of publications from Canadian institutions and a few months later by an extension to other foreign countries. During the next two decades this feature of the work was developed to the point of a reasonably complete coverage of the world's major findings in agricultural science.

FIFTY YEARS OF EXPERIMENT STATION RECORD  
(continued)

The expansion in scope was accompanied by some condensation of abstracts, but was primarily made possible by an enlargement of space. Volume 1 dealt with some 280 reports and bulletins and aside from indexes and tables of contents, contained 325 printed pages. Volume 20, published in 1908-9, consisted of 1,200 pages of comparable material including 5,336 abstracts. Three years later the two volumes which were being brought out annually contained a total of 7,841 abstracts and 1800 printed pages of abstracts, editorials, and notes.

The 1912 maximum of 1,200 pages plus about 300 pages of indexes and contents continued without change until 1929, when the advancing cost of printing brought about the abolition of the detailed table of contents from each issue and a consequent reduction of about 100 pages per year. Nine years later similar causes led to a curtailment in the space available for abstracts. At that time a readjustment of printing costs resulted in the omission of an entire issue of 144 pages and an abridgment of 4 later issues by 16 pages each. Data recently compiled for the fiscal year ended June 30, 1939, indicate that the total shrinkage in space from the previous years has been over 200 pages, or 12 percent, while the total number of abstracts decreased from 7,218 to 6,746, a reduction of 6.5 percent.

Since the past quarter century has been a period of marked expansion of research agencies in the fields of agriculture and home economics, the problem of adequately covering the literature in the space available has become increasingly acute. Under the prevailing conditions, full coverage remains of the technical publications of the experiment stations and the Department and of the many contributions of the staffs of these agencies which find publication through scientific journals and other nonofficial mediums. Material from other sources, however, is necessarily subject to an increasingly rigid selection.

The extent of the service which the Record has thus far rendered may be visualized in part by the fact that volumes 1-80 contain nearly 280,000 separate abstracts. The original articles included not only the entire scientific output of the Department and the approximately 50 State experiment stations, but hundreds of other research agencies and individuals, using more than a dozen languages and located all over the world.

Author and subject indexes have been provided from the beginning, and combined subject indexes have been issued for volumes 1-12, 13-25, 26-40, 41-50, 51-60, and 61-70. A similar combined index for volumes 71-80, covering the 5-year period ended last June, is in preparation. The total number of entries in the combined indexes as a whole probably far exceeds half a million.

The usefulness of so extensive and unique a compendium of information has long since been widely accepted. Although with the passing of the years the Record's own bulk has been an increasing handicap to its preservation by individuals, it has become well-nigh indispensable to libraries and many other institutions as a work of reference. The



-----

FIFTY YEARS OF EXPERIMENT STATION RECORD  
(continued)

Office has cooperated in many instances in the completion of files for this purpose, and is still in a position to render considerable assistance in this direction. A moderate stock is even available for all of the combined indexes aside from that for volumes 13-25.

For obvious reasons, continuity of policy and consistency of treatment has been the rule in the management of the Record, but numerous innovations have been put into effect in recent years, notably the conserving of as much space as possible for abstracts by curtailment of the editorials and news notes and abstracts of the station annual reports. These changes were made in response to a questionnaire sent out to the experiment stations in 1931 and discussed in detail at that time (E.S.R., '66, p. 401). Other suggestions are always in order, and will receive full consideration from the point of view of increasing the effectiveness of the Record as far as possible with the means available.

-o-o-o-o-o-o-o-o-o-

SKETCH OF THE HISTORY OF THE PHILADELPHIA SOCIETY  
FOR PROMOTING AGRICULTURE - MEMOIRS 6\*

A Review by Everett E. Edwards,

Bureau of Agricultural Economics, U. S. Department of Agriculture

Founded on February 11, 1785, the Philadelphia Society for Promoting Agriculture was a product of the quickening of national consciousness that permeated practically every phase of American life at the time of the successful establishment of the United States of America. Previously, there had been no urgent need of providing for group action in coping with agricultural problems. During colonial times, the virgin soils of the Atlantic seaboard yielded abundantly, and it was only after they began to lose their original responsiveness that it seemed essential to seek better ways of farming. There are scattered data that indicate the existence of agricultural societies of local influence prior to the Philadelphia Society, but it is the oldest organization of this kind which can supply a history of its origin and activities over a considerable period of time.

During its early years, the Philadelphia Society for Promoting Agriculture was in a strategic position to be of considerable influence. At the time of its founding, Philadelphia was the capital of the new Nation, and it was, therefore, the gathering place for representative leaders from all walks of American life. John Beale Bordley, the father of the society, seems to have this situation in view when he moved from his estate on Wye Island in Chesapeake Bay to Philadelphia and sought out like-minded individuals of prominence who joined with him in founding the Society.

One of the early activities of the Philadelphia Society was the awarding of premiums for essays on pressing problems of farm management. These essays constitute initial contributions to American agricultural literature since they were based, for the most part, on local and practical experience. They also

---

\*This volume is available from the Assistant Secretary of the Society, Mr. John M. Okie, 359 Owen Avenue, Lansdowne, Pennsylvania. Price \$2.50.



SKETCH OF THE HISTORY OF THE PHILADELPHIA SOCIETY  
FOR PROMOTING AGRICULTURE - MEMOIRS 6  
(continued)

have an important place in early history of agricultural education in America. In an attempt to increase the influence of its findings beyond the range of the Philadelphia newspapers which published its proceedings, the Society eventually began to issue substantial volumes called "Memoirs." The first appeared in 1808, the second and third in 1811, the fourth in 1818, and the fifth in 1825. Then in 1939, after an interval of one hundred and fourteen years, Memoirs 6 - the volume here reviewed - has been issued.

The purpose of the present volume is delineated by its editors in the following words: "We wish to develop a greater familiarity with and interest in our Society, its history, its library and its manuscripts. In these, we have a most valuable heritage. In Memoirs 6, we have drawn upon these sources with the idea of showing something of their quality." The result is not only a worthy tribute to the history of the Philadelphia Society for Promoting Agriculture, but a treasure trove of data which every individual and every library who is interested in the history of American agriculture should possess.

A partial enumeration and description of the contents of Memoirs 6 will serve to substantiate this view. The first item is the sketch of the history of the Society which Dr. Rodney H. True presented at the celebration of its one hundred and fiftieth year. The second is the copiously illustrated program used on that occasion. The bulk of the remainder of the volume consists of letters, addresses, and essays by distinguished Americans who were connected with the Society at some time or other. A vast array of agricultural subjects is covered, and the following are representative examples: the value of clover, the arrangement of the farm yard, mowing machines, grain drills, plaster of Paris as a manure, the use of malt and beer for harvest hands, the binding of children to farmers, the Hessian fly and its ravages on wheat fields, rice drills, the mangel-wurzel, and bovine tuberculosis control. The illustrations are similarly varied in subject, ranging from portraits of John Beale Bordley and Richard Peters and facsimile reproductions of letters by Arthur Young, George Washington, and others, to likenesses of famous cattle and diagrams of farm machinery.

-o-o-o-o-o-o-o-o-o-o-

OFFERS

The Library of the Division of Cotton Marketing, Agricultural Marketing Service, U. S. Department of Agriculture, has for disposition 51 bound copies of the daily report on cotton issued by the Atlanta office of the Division. The title of the report is "Official Report of the Designated Spot Cotton Markets" and the binder's title on the outside of the volume is "Cotton Grade Differences and Staple Premiums." There are 12 copies each of the report for the seasons August 1928-July 1929 to August 1931-July 1932 inclusive, and 13 copies of the report for the season August 1932-July 1933. Any library interested in the reports should write to the Cotton Division Library, Agricultural Marketing Service, U. S. Department of Agriculture, Washington, D. C.

-o-o-o-o-o-o-o-o-o-o-



617a  
10/14

RECEIVED  
OCT 14 1939

# AGRICULTURAL LIBRARY NOTES

## CONTENTS

Vol. 14	October 1939	No. 10
Principal Library Accessions.....		541
Bibliographies and Lists.....		551
Notes on Periodicals.....		552
Map of Major Land Management Activities.....		553
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....		554
Articles by State Agricultural Experiment Station Workers.....		563
Translations received in the Library.....		582
New Dictionary Catalog of the International Institute of Agriculture.....		585
List of State Extension Publications.....		586
Selected List of Processed Publications of the U. S. Department of Agriculture.....		592
Land plays New Role in Rural Fiction. By Caroline B. Sherman.....		597

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.





PRINCIPAL LIBRARY ACCESSIONS\*

Agriculture

- PHILLIPS, H. A. and others. Agriculture and farm life. New York, Macmillan, 1939. 30.2 P54  
STAPLES, R. R. and HUDSON, W. K. An ecological survey of the mountain area of Basutoland. Letchworth, Hertfordshire, The Garden city press Ltd., 1938. 35.3 St2

Apiculture

- EDWARDES, T. Bee-keeping for all. Ed. 5. London, Methuen, 1939. 424 Ed93e  
Ed. 5  
OTTO, F. T. Die grundschule des imkers. Leipzig, Liedloff, Loth & Michaelis, 1938. 424 Ot8  
REICHSFACHGRUPPE IMKER e.v., Berlin. Richtlinien für die tätigkeit der amtlichen bienenseuchen-sachverständigen. I. auflage. Leipzig, Liedloff, Loth & Michaelis, 1938. (Ich dien! Buchreihen der reichsfachgruppe imker e.v. im Reichsverband deutscher kleintierzüchter o.v. reihe III, buch 5)  
424 R274R

Bacteriology

- NICOL, H. Microbes by the million. Harmondsworth, Middlesex, Eng., Penguin books Ltd., 1939. 448.2 N542

Biography

- COMITÉ NATIONAL OLIVIER DE SERRES. Olivier de Serres, père de l'agriculture française 1539-1619. Paris, 1939. 120 Se60

Botany

- BISBY, G. R. and others. The fungi of Manitoba and Saskatchewan. Ottawa, Canada, National research council of Canada, 1938. (Memoirs on Canadian fungi) 462 B54F  
CRAIGIE, J. H. Economic diseases of field crops in Manitoba. Winnipeg, Man., Economic survey board (Project no. 16), 1939. (Contribution no. 574, Botany and plant pathology, Science service, Department of agriculture, Ottawa, Canada) 464.04 C842  
FASSETT, M. C. and others. Hayfever plants of the middle west. St. Louis, Swift, 1938. Processed. 455.7 F26  
GUATEMALA. ESCUELA NACIONAL CENTRAL DE AGRICULTURA. Catálogo de plantas de Guatemala. Guatemala, C.A., Impreso en la Tipografía nacional, 1938. 456.2 G932

\* Requests which are sent to the Library for the loan of items in this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS

## Botany (continued)

- LOS ANGELES CO., CALIFORNIA. LIVE STOCK DEPT. Poisonous and injurious plants of Los Angeles, 1938. 452.83 L89
- MEYER, B. S. and ALDERSON, D. B. Plant physiology. New York, Van Nostrand, 1939. 463.3 M572
- SANSONE, F. W. and J. P. Recent advances in plant genetics. 2d ed. rev. London, Churchill, 1939. 463.61 Sa5 Ed.2
- VEENDORP, H. and BECKING, L. G. M. B. 1587-1939 Hortus academicus Lugduno Batavus. Harlem, Elsevier, 1938. 451.1 V51
- VEZGA, F. La expedición botánica. Bogotá, Editorial Minerva, s. a.; 1936. (Biblioteca aldeana de Colombia. Ciencias y educación. no. 48) 457.5 V64
- WATERSTON, J. M. Annotated list of diseases of cultivated plants in Bermuda. Hamilton, Government printer, 1939. (Department of Agriculture. Bermuda) 464 W31
- WORMALD, H. Diseases of fruits and hops. London, Lockwood, 1939. (Agricultural and horticultural handbooks) 464.06 W892

## Chemistry

- BENNETT, H. Standard chemical and technical dictionary. New York, Chemical publishing company, 1939. 386.1 B43
- BOOTH, H. S., ed. Inorganic syntheses. v.1. New York, McGraw-Hill, 1939. 386 B639
- BRODE, W. R. Chemical spectroscopy. New York, Wiley, 1939. 387 B78
- CHEMICAL INDUSTRIES. Ed. 13. London, Hill, 1939. 388 C426 Ed.13
- COMANS, J. E. and Tishler, M. The chemistry of organic compounds. Rev. ed. New York, Macmillan, 1939. 386 C74 Rev. ed.
- ELVENSM, C. A. and others. Respiratory enzymes. Minneapolis, Minn., Burgess, 1939. Processed. 386.2 E18
- HALE, W. J. Forward march; chemistry takes command. New York, Coward-McCann, 1939. 386 H13Fa
- JENSEN, H. F. Insulin, its chemistry and physiology. N. Y., Commonwealth fund, 1938. 396 J452
- MASSACHUSETTS INSTITUTE OF TECHNOLOGY. Wavelength tables. New York, Wiley, 1939. 387 M382
- NORTHROP, J. H. Crystalline enzymes. New York, Columbia university press, 1939. (Columbia biological series, no. 12) 390 N81
- NOYES, A. A. and Sherrill, M. S. A course of study in chemical principles. Ed. 2. New York, Macmillan, 1938. 386 N87A Ed. 2
- STEIN, D. G. Food poisoning caused by substances other than bacteria and their products. Cape Town, Cape times ltd., 1938. 391 St 4F
- WENUSCH, A. Der tabakrauch. Bremen, Geist, 1939. 387.1 W48



PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Commerce

- HEUSER, H. Control of international trade. London, Routledge, 1939.  
286 H482
- HOOKE, A. A. The international grain trade. Ed. 2. London, Pimco, 1939.  
286.359 H76 Ed. 2
- JOINT COMMITTEE OF COTTON TRADE ORGANISATIONS. ECONOMIC AND STATISTICAL  
DEPARTMENT. Overseas buying power. Manchester, 1939. 286.372 J660
- NATIONAL CONFERENCE ON INTER-STATE TRADE BARRIERS. Trade barriers among the  
states. Proceedings of the Conference, April, 5, 6, 7, 1939. Chicago,  
The Council of state governments, 1939. 286.9 K214
- NEW YORK (CITY) COTTON EXCHANGE. The New York cotton exchange. New York,  
1939. 287 N488Nc 1939
- SAYRE, F. B. The way forward; the American trade agreements program. New  
York, Macmillan, 1939. 286 Sa927

## Comparative Anatomy and Physiology

- REYNOLDS, S. R. M. Physiology of the uterus with clinical correlations.  
New York, Hoeber, 1939. 444 R332

## Cooperation

- BROWN, W. H. Bath society--in cooperation; the jubilee history of the Bath  
cooperative society ltd. Bath, Bath cooperative society, ltd., 1939.  
280.29 B81
- BROWN, W. H. Cooperation in a university town. London, Cooperative printing  
society, ltd. [1939?] 280.2 B81C

## Description and Travel

- WEDDELL, A. W. Introduction to Argentina. New York, Greg stone press, 1939.  
125 W41

## Dictionaries

- DE VRIES, L. German-English science dictionary for students in the agri-  
cultural, biological, and physical sciences. New York, McGraw-Hill,  
1939. 201 D49
- HUEBNER, W. Geology and allied sciences; a thesaurus and a coordination of  
English and German specific and general terms. Pt. 1. New York, Veritas  
press, 1939. 201 H87

## Directories

- INTERNATIONAL INSTITUTE OF AGRICULTURE. Bibliothèques agricoles dans le  
monde et bibliothèques spécialisées dans les sujets se rapportant à  
l'agriculture. Rome, Impr. C. Colombo, 1939. 225 In63B

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Domestic Animals, Veterinary Medicine

- BARTON, F. T. Dog distemper. London, Foulsham [1939?] 41 B284D
- BASTOS, A. de. Noções de genética animal aplicada (a reprodução animal e a pecuária brasileira). Rio de Janeiro, Diretoria de estatística da produção, Seção de publicidade, 1938. 40 B29
- BIRGER, P. Un grand organisme national: La Société royale Le cheval de trait belge. Couillet, Impr. Maison d'éditions, 1939. (La documentation de l'homme d'affaires, cahier n° 4) 42.9 B45
- HOLECEK-HOLMESCHOWITZ, C. Angewandte tierzucht auf rassenbiologischer grundlage. Wien, Springer, 1939. 40 H71
- HUTCHINSON, W.; ed. Hutchinson's dog encyclopaedia. London, Hutchinson [1939?] 48 H97
- IMPERIAL VETERINARY CONFERENCE. 1st, London, 1938. Report of the first conference, 15th - 18th August, 1938. Weybridge, Imperial bureau of animal health [1939?] 41.9 Im7001
- WILKIN, M. Le guide avicole du fermier et de l'aviculteur specialise. Canada, 1938. 47 W64G
- WORLD'S POULTRY CONGRESS. 7th. Cleveland, 1939. Proceedings. Baltimore, Waverly press, 1939. (In English, French, German, and Spanish) 47.9 W897P

Economic Geography

- RHODESIA, SOUTHERN. COMMISSION TO ENQUIRE INTO THE PRESERVATION, ETC., OF THE NATURAL RESOURCES OF THE COLONY. Report. Salisbury, Government stationery office, 1939. 279.193 R34

Economics

- ANDERSON, W. American government. New York, Holt, 1938. (American political science series) 280.12 An2A
- BROWER, F. B. Assuring employment or income to wage earners - a case study. New York, National industrial conference board, 1938. (Studies in personnel policy, no. 7) 283 B81
- BUELL, R. L., ed. Democratic governments in Europe. Rev. ed. New York, Nelson, 1938. 280.17 B86 Rev. ed.
- CATLIN, G. E. G. The Anglo-Saxon tradition. London, Paul, Trench, Trubner and co., 1939. 280 C28
- DUKE UNIVERSITY, Durham, N. C. A century of social thought; a series of lectures delivered at Duke university during the academic year 1938-1939. Durham, Duke university press, 1939. (Duke university publications) 280 D88
- GEMILL, P. F. and BLODGETT, R. H. Current economic problems. New York, Harper, 1939. 280 G282
- GEORGE, H. Protection or free trade. New York, Schalkenbach, 1938. 285 G29

PRINCIPAL LIBRARY ACCESSIONS

## Economics (continued)

- GEORGE, H. The science of political economy. New York, Schalkenbach, 1938. 280 G292S
- GEORGE, H. Social problems. New York, Schalkenbach, 1939. 280 G292So
- GEORGIA. DEPT. OF NATURAL RESOURCES. Natural resources of Georgia. Atlanta, 1938. 280.O19 G29
- GIDE, A. P. G. Afterthoughts; a sequel to Back from the U. S. S. R. Ed. 2. London, Secker and Warburg [1938?] 280.179 G36A Ed. 2
- GORDON, L. J. Economics for consumers. New York, American book co., 1939. 280 G65
- HERLITZ, N. Sweden: a modern democracy on ancient foundations. Minneapolis, University of Minnesota press, 1939. 280.173 H42
- JERRETT, H. D. The theory of real property valuation. Sacramento, Keystone press, 1938. 282 J48
- MARSHALL, T. Federal encroachment on industry. Boston, Christopher publishing house, 1939. 280.12 M35
- NATIONAL MUNICIPAL LEAGUE. CONFERENCE ON GOVERNMENT, 1938. Democracy must think. New York, Columbia university press, 1939. (National municipal league series) 280 N313
- NOGARO, B. La méthode de l'économie politique. Paris, Librairie générale de droit et de jurisprudence, 1939. (L'Economie politique contemporaine, v. 1) 280 N66
- ODUM, H. W. American social problems. New York, Holt, 1939. 280.12 Od8A
- POLIAKOFF, V. Europe in the fourth dimension. New York, Apploton-Century, 1939. 280.17 P75
- ROSINIA, A. W. The new deal under the microscope. Chicago, L. W. Arkin, 1939. 280.12 R73
- ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS. INFORMATION DEPT. South-eastern Europe, a political and economic survey. London, 1939. 280.17 R81S
- RUSTGARD, J. International vagaries. Babson Park, Fla., Widar book company, 1939. 280 R922I
- SALTER, Sir J. A. Security; can we retrieve it? London, Macmillan, 1939. 280.171 Sa3
- SICKOSZ, W. C. Quo vadis? or, The way to unprecedented prosperity. Amsterdam? Holland, 1938. 280.Sil2
- STALEY, E. World economy in transition. New York, Council on foreign relations, 1939. 280 St12
- STRAYER, J. R. and TAYLOR, C. H. Studies in early French taxation. Cambridge, Harvard university press, 1939. (Harvard historical monographs, no. 12) 284.5 S68
- SWINGLER, S. An outline of political thought since the French revolution. London, Gollancz, 1939. (The new people's library, v. 19) 280 Sw6



PRINCIPAL LIBRARY ACCESSIONS

## Economics (continued)

- TAUSSIG, F. W. Principles of economics. Ed. 4. New York, Macmillan, 1939. 280 T19 Ed. 4  
 TITMUS, R. M. Poverty and population. London, Macmillan, 1938. 280.171 T53  
 WILLIAMSON, E. L. and CHILD, L. R. Secret of the ages; the true economic system. Portland, Williamson, 1938. 280 W677

## Economics, Agricultura

- COLOMBIA. DEPARTAMENTO DE TOLIMA. RENTAS DEL TOLIMA. El tabaco en el Tolima. Ibagué, 1938. 281.369 C71  
 DEGON, M. Le crédit agricole, sources, formes, caractères, fonctionnement en France et dans les principaux pays. Paris, Librairie du Recueil Sirey, 1939. 284.2 D36  
 FORSTER, G. W. and others. Outlines of agricultural economics. Ann Arbor, Mich., Edwards brothers, 1939. Processed. 281 F772  
 GRONDONA, L. StC. National reserves for safety and stabilization. London, Allen & Unwin, 1939. 281.171 G89  
 HULL, J. T. The case for Canadian agriculture. Saskatoon, Allied printing trades council, 1939. 281.13 H87C  
 SCHMIEDELER, E. A better rural life. New York, Wagner, 1938. 281.2 Sch5  
 SHIPSTEAD, H. A preliminary report on the status of agriculture in world economy. [Washington? 1939]. Processed. 281 Sh62  
 SPAIN, INSTITUTO DE REFORMA AGRARIA. Agrarian reform in Spain. London, United editorial ltd. [1938?] 282.176 Spi

## Education

- BAKER, G. The county agent. Chicago, University of Chicago press, 1939. (Studies in public administration, v. 11) 275.2 B17  
 EDWARDS, W. Equal educational opportunity for youth, a national responsibility. Washington, American council on education, 1939. 275 Ed9  
 NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. COMMITTEE ON THE ECONOMIC STATUS OF THE RURAL TEACHER. Teachers in rural communities; final report. Washington, 1939. 275 N2114T  
 STUDEBAKER, J.W. and WILLIAMS, C. S. Forum planning handbook. Washington, American association for adult education, 1939. 275 St9F  
 TOWNES, M. E. Teaching with motion pictures. New York, Bureau of publications, Teachers college, Columbia university, 1938. (Teachers college library contributions, no. 1) 275 T66

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Engineering

- KONZO, S. ed. Winter air conditioning, forced warm-air heating. Columbus, Ohio, National warm air heating and air conditioning association, 1939. 291 K832
- KOOPER, J. Het Waterstaatsverleden van de provincie Groningen. Groningen, Wolters' uitgevers-maatschappij n.v., 1939. 290 K832
- WRIGHT, F. B. Rural water supply and sanitation. New York, Wiley, 1939. (Wiley farm series) 292 W93

## Entomology

- BORCHERT, W. Die verbreitung der käfer Deutschlands, tatsachen und folgerungen. Schönebeck (Elbe), Im selbstverlag des verfassers, 1938. 427 B643
- CANDURA, G. S. Studi sugli insetti dannosi ai semi e ai viveri nella Venezia tridentina. v. 1. Trento, Stabilimento trentino d'arti grafiche, 1938. (Estratto da: "Studi trentini di scienze naturali" diretti dal Museo di storia naturale. Rivista della "Società di studi per la Venezia tridentina", annata 18, 1937, fasc. 3) 423 C167
- EYER, J. R. Laboratory and field manual of economic entomology (revised). Ann Arbor, Mich., Edwards, 1938. Processed. 423 Ey3 Rev. ed.
- FABRICIUS, J. C. Systema glossatorum [facsimile]; In anhang K. Illiger: Die neueste gattungs-eintheilung der schmetterlinge aus dem Linneischen gattungen Papilio und Sphinx [reprint]; J. Chr. Fabricius: Rechenschaft an das publicum über seine classification der glossatch [reprint]. Herausg. von Felix Bryk. Neubrandenburg, Feller, 1938. (Sammlung naturwissenschaftlicher facsimile-drucke. bd. 1) 430 F11
- FERRIS, G. F. and USINGER, R. L. The family Polycetenidae (Hemiptera; Heteroptera). Stanford University, 1939. (Microentomology; contributions to entomology from the Natural history museum of Stanford university. v. 4, pt. 1) Processed. 431 F41F
- GRAHAM, S. A. Principles of forest entomology. Ed. 2. New York, McGraw-Hill, 1939. (McGraw-Hill publications in the zoological sciences). 423 G762 Ed. 2
- GREAT BRITAIN. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Cotton pests of grain and other stored produce. London, H. M. Stationery office, 1939. 423 G7924
- HICK, P. Giant moths of the jungle. Bexley, Kent, H. J. Sills [1939?] 430 H52
- INTERNATIONAL CONGRESS OF ENTOMOLOGY. 7th. Berlin, 1938. Verhandlungen. Weimar, 1939. (German, English, Spanish, French, and Italian) 422 C76 7th
- ROSKILL, O. W., and co. ltd. World economic review of insecticides and allied products. London, 1939. Mimeographed reports. 423 R733
- WIGGLESWORTH, V. B. The principles of insect physiology. London, Methuen, 1939. 422 W63P

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Field Crops

- BRAZIL. SERVIÇO DE PLANTAS TÊXTILS. Tecnologia da fibra do algodão. Ed. 2. Rio de Janeiro, Diretoria de estatística da produção, Secção de publicidade, 1938. (Ministério da agricultura. Departamento nacional de produção vegetal. Serviço de plantas texteis) 72 B737T Ed. 2
- HARLAND, S. C. The genetics of cotton. London, Cape, 1939. 72 H22A
- ROBERTS, E. J. Fodder conservation. London, H. M. Stationery off., 1939. (Gt. Brit. Agricultural research council. A.R.C. report series, no. 5) 60.1 R54F
- THORNTON, R. W. and WACHER, L. F. Production of strong wheat in Basutoland. Bloemfontein, White ltd. [1938] 59.26 T39

## Finance

- IRISH FREE STATE. COMMISSION OF INQUIRY INTO BANKING, CURRENCY AND CREDIT. Memoranda and minutes of evidence. Dublin, Stationery office [1938?] 284 Ir4
- IRISH FREE STATE. COMMISSION OF INQUIRY INTO BANKING, CURRENCY AND CREDIT. Reports. Dublin, Stationery office, 1938. (P. no. 2628) 284 Ir4R
- RAO, V. K. R. V. An essay on India's national income, 1925-1929. London, Allen & Unwin, 1939. 284 R182

## Food, Cookery, Nutrition

- CHANEY, M. S. and AHLBORN, M. Nutrition. Revised edition. Boston, Houghton Mifflin, 1939. (Riverside home economics series) 389.1 C362 Rev. ed.
- FERRI, N. A. Soybeans, the wonder food. Boston, Humphries, 1938. 289.1 F413
- GOETZ, S. T. The treasure chest of recipes for the baker. New York, Goetz, 1937. Processed. 389.25 G552
- MENDELSON, S. Baking powders. New York, Chemical pub. co., 1939. 389 M522
- MILBANK MEMORIAL FUND. Nutrition. New York, Milbank memorial fund, 1938. (16th annual conference, March 29-31, 1938) 389.1 M582
- PELSHENSE, P. Untersuchungsmethoden für brotgetreide, mehl und brot. Leipzig, Schäfer, 1938. 387.1 P36
- TRESSLER, D. K. and others. Fruit and vegetable juices. New York, Avi, 1939. 389.6 T72



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Forestry

- GEDENBOEK ter gelegenheid van het 40-jarig bestaan van het Staatsboschbeheer. 's-Gravenhage, Algemeene landsdrukkerij, 1939. 99.66 G26
- STRECKER, R. Die philosophischen probleme in der forstwirtschaftslehre. Neudamm, Neumann, 1938. 99 St8
- STREYFFERT, T. The forest, Sweden's "green gold." N. Y., Royal Swedish commission, New York World's fair, 1939. 99.66 St8F

History

- GINGERICH, M. The Mennonites in Iowa. Iowa City, State historical society of Iowa, 1939. 138 G43
- KIRKLAND, E. C. A history of American economic life. Rev. ed. New York, Crofts, 1939. (Crofts American history series) 277.12 K63 Rev. ed.
- SPENGLER, O. The decline of the west. New York, Knopf, 1937. (Translation of Der untergang des abendlandes) 277 Sp3

Home Economics

- KENNEDY, A. and VAUGHN, C. Consumer economics. Peoria, Manual arts press, 1939. 321 K38

Horticulture

- BEAN, W. J. Wall shrubs and hardy climbers. London, Putnam, 1939. 97.43 B37
- CHITTENDEN, F. J. Some good garden plants. London, Royal horticultural society, 1938. 97.4 C44
- TALBERT, T. J. and NURNEEK, A. E. Fruit crops. Philadelphia, Lea & Febiger, 1939. 93 TL4

Journalism

- NICHOLS, I. A. Forty years of rural journalism in Iowa. Fort Dodge, Ia., Messenger press, 1938. 238 N51

Library Economy

- DANTON, MRS. E. M., ed. The library of tomorrow. Chicago, American library association, 1939. 243 D23
- HEMBERT, C. W. and others. Personnel administration in public libraries. Chicago, American library association, 1939. 243 H41

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

## Marketing

- HARRISON, G. and others. The home market. 1939 edition. London, Allen and Unwin, 1939. 280.32 H24 1939
- THOMSON, G. S. Dairying; paying for fat in milk and cream. Sherborne, Dorset, Sawtells of Sherborne ltd., 1939. 280.344 T38
- TWENTIETH CENTURY FUND. Does distribution cost too much? New York, 1939. 280.3 T91

## Medicine

- SIMMONS, J. S. and others. Malaria in Panama. Baltimore, Johns Hopkins press, 1939. (The American journal of hygiene. Monographic series, no.13)

## Motion Pictures

- CONFERENCE ON THE EDUCATIONAL PRODUCTION OF MOTION PICTURES, OHIO STATE UNIVERSITY, 1938. Proceedings, November 22-23, 1938. Columbus, 1939. Mimeographed. 332.9 C76

## Natural History

- CLEMENTS, F. E. and SHELFORD, V. E. Bio-ecology. New York, Wiley, 1939. 409 C592B
- VERRILL, A. H. Wonder plants and plant wonders. New York, Appleton-Century, 1939. 409.5 V61

## Parasites

- WHITLOCK, J. H. Practical identification of endoparasites for veterinarians. Minneapolis, Burgess, 1938. Processed. 436 W59

## Parks

- CANADA. NATIONAL PARKS OF CANADA. Riding mountain national park, Manitoba. Ottawa, Dept. of mines and resources, Lands, parks, and forests branch, National parks bureau, 1938. 98.7 R43 1938

## Physics

- HIRSCHLAF, E. Fluorescence and phosphorescence. American edition, 1939. New York, Chemical publishing company, 1939. 334 H61 1939

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Plant Breeding

FYFE, J. L. The action and use of colchicine in the production of polyploid plants. Cambridge, Eng., School of agriculture, 1939. 64 F99

Prices

ABRAMOVITZ, M. An approach to a price theory for a changing economy. New York, Columbia university press, 1939. (Studies in history, economics and public law, ed. by the Faculty of political science of Columbia university. no. 453) 284.3 Ab8

GRETHER, E. T. Price control under fair trade legislation. New York, Oxford university press, 1939. 284.3 G86P

MILHAU, J. Prix et production en agriculture. Paris, Librairie du recueil Sirey, 1938. (Institut scientifique de recherches économiques et sociales. Mémoires et enquêtes. 5) 284.3 M59

Radio

CARLILE, J. S. Production and direction of radio programs. New York, Prentice-Hall, 1939. 335 C19

JOINT COMMITTEE ON RADIO RESEARCH. The Joint committee study of rural radio ownership and use in the United States. New York, Columbia and National broadcasting systems, 1939. Processed. 335 J66R

Railroads

CLAY, C. M. What shall we do about the railroads? Washington, Ransdell, 1939. 289.2 C57

Soils

HÉNIN, S. Etude physico-chimique de la stabilité structurale des terres. Paris, Imprimerie nationale, 1938. (Versailles. Centre national de recherches agronomiques. Monographies publiées par les stations et laboratoires de recherches agronomiques) 56.4 H38

THORP, J. Thirty-four representative soils of China. Changsha, Hunan, China, National geological survey of China, 1936. 56.25 T39T

WEIR, W. W. Productive soils. Ed. 4. Chicago, Lippincott, 1938. 56.7 W43 Ed.4



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Technology

- BURNS, R. M. and SCHUH, A. E. Protective coatings for metals. New York, Reinhold, 1939. (American chemical society. Monograph series no. 79) 294 B93
- GREGORY, T. C., ed. Uses and applications of chemicals and related materials. New York, Reinhold, 1939. 309 G86

Traffic

- GODFREY, C. V. Roadsense for children. London, Milford, 1938. 289.6 G54

Zoology

- BECKDORF, M. Das flussmeer. Stuttgart, Kosmos, gesellschaft der naturfreunde, 1939. (Kosmos-bändchen, no. 154) 411 B382

Theses

- CRUZ, D. da. A contribution to the life-history of *Lilium tenuifolium*. Washington, McQueen, 1915. Thesis - Catholic university of America. (Contribution from the Biological laboratory of the Catholic University of America, no. 1) 463.5 C88
- GAUDIN, O. Recherches sur l'action physiologique des pyrèthrines. Paris [1937?] Thèse - Paris. 391 G232
- LÖBER, F. Untersuchungen über die wasserstoffionen-konzentration im vaginalsekret gesunder und geschlechtskranker kühe. Giessen, 1938. Diss. Giessen. 386.2 L78
- MCVEY, W. C. The synthesis of picene. College Park, Md., 1938. Thesis. Univ. of Maryland. 387.1 M25S
- MENK, W. Die chemotherapeutische bekämpfung der malaria. Hamburg [1938?] Habilitationsschrift. Hamburg. Processed. 448 M522
- MÜLLER, H. Untersuchungen über das verhalten von bakterien aus der intermediusgruppe auf ammonnährböden sowie gegenüber adonit und salizin. Giessen, 1938. Diss. Giessen. 448.2 M912
- REY, C. La prophylaxie de la fièvre aphteuse. Lyon, 1938. Thèse. Faculté de médecine et de pharmacie de Lyon. 41.2 R33

BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- Alabama. University. School of commerce and business administration. Bureau of business research. Periodicals, yearbooks, pamphlets and other research material available at Business library. University, Alabama, [1938?] Processed. 97 p. 241.3 A11
- Briggs, C. H. comp. A bibliography of cerealiana; a list of books and pamphlets on cereal production and marketing, milling and baking, and insects and fungous infestations of cereals and cereal products... Minneapolis, Miller publishing company, 1938. 59 p. 241 B76
- Cornell university. College of agriculture. Department of agricultural economics and farm management. Lists of experiment station publications in agricultural economics, farm management, marketing, and other economic topics. Ithaca, 1934. 113 p. Mimeographed. 241.3 C81L
- Franz, G. Bücherkunde zur geschichte des deutschen bauerntums. Neudamm, Neumann, 1938. (Der Forschungsdienst. Sonderheft 9) 241.3 F85
- London. Science museum. Science library. Science library bibliographical series.
- No. 476. Irrigation of small fruits. 1939. 3 p. Processed. 241.5 L842
- No. 478. Food preparation from ground-nut cake. 1939. 2 p. Processed. 241.5 L842
- No. 483. Cultivation of cinchona spp. for the production of quinine. 1939. 5 p. Processed. 241.5 L842
- No. 487. Electrocuting light traps and suction light traps for catching insects. General no. 63. 1939. 2 p. Processed. 241.5 L842
- Massey Agricultural college. Palmerston North, N. Z. Library. Periodical publications contained in the library. Palmerston North, 1939. 27 p. Mimeographed. 241.9 M388
- Merck & Co., Inc. Riboflavin. Rahway, N. J., 1939. 77 p. Photoprinted. 241.64 M53R
- Roberts, M. F. A descriptive list of books and monographs relating to or available for the study of the Canadian flora. Manitoba, 1936. 27 p. Mimeographed. 454.4 R54
- Special libraries association. San Francisco bay region chapter. Statistics on California commodities. San Francisco, 1939. Broadside. 241.9 Sp36S
- U. S. Civilian conservation corps. Civilian conservation corps bibliography. Washington. 1939. 60 p. Mimeographed. 173.2 C76L
- Virginia. Polytechnic institute. Department of vocational education. Recommended reference books for libraries of departments of vocational education. Department Mimeograph no. 44. Blacksburg, Sept. 1939. Processed. 276 V813
- Welfare council of New York City. Housing information bureau. Bibliography on low-cost housing. New York, 1936. 24 p. (Bibliographical list, no. 7) Mimeographed. 241.4 W45

-----  
BIBLIOGRAPHIES AND LISTS  
 (continued)

U. S. Department of Agriculture

Bureau of Agricultural Chemistry and Engineering.

Index of publications of the Bureau of Chemistry and soils, originally the Bureau of chemistry and the Bureau of soils. 75 years. 1862-1937.

v. 1. List of titles and authors. 1939. 546 p. 1.9 C49Ind

Forest service

List of publications on chemistry of wood and derived products.

July 1939. Issued by Forest products laboratory, Madison, Wisconsin.  
 33 p. 1.9 F761Lc

- o - o - o - o - o - o -

NOTES ON PERIODICALS

New, Changed and Discontinued

American chemical society. Proceedings. Last published in Journal of the American chemical society was 1937 (separate paging). Beginning 1938, published in the News edition of Industrial and engineering chemistry (not separately pagged).

The Bulletin of animal behaviour. Institute for the Study of animal behaviour, Zoological society, Regent's Park, London, N.W.8. quar. 8° v. 1, no. 1, Oct. 1938. 2/6. (Free to members of the Institute.)

Butter sales news. Emergency butter committee. 1370 Northwestern bank building, Minneapolis, Minn. il. f° v. 1, no. 1, 1938. Only one issue published.

Cooperative comment. North Pacific grain growers, inc., Spokane, Wash. Ceased with v. 5, no. 12, Feb. 1937.

Dixie farm and poultry journal. Nashville, Tenn. Absorbed Tennessee valley farmer and changed title to Dixie farmer, July 1939 (v. 18, no. 6)

Economic forum. Stamford, Conn. Ceased with v. 4, no. 2, Oct. 1937.

Farm ideas. Minneapolis, Minn. Ceased with v. 2, Dec. 1938.

Flavours. 8 Serle Street, London, W.C.2. bi-mo. il. 4° v. 1, no. 1. Mar. 1938. 12/6 per annum.

Forestry abstracts. Imperial forestry bureau, Oxford. 8° v. 1, no. 1, 1939. 25s. annually

Indiana farmers guide. Huntington, Ind. Changed to The Farmers guide with v. 95, no. 17, Sept. 9, 1939.

Kleintier und pelztier. Leipzig. Ceased with jahrg. 14, hft. 8, Aug. (?), 1938.

The Locker patron. 1421 Walnut Street, Des Moines, Iowa. mo. il. 4° v. 1, no. 1, Aug. 1939. \$1.50 per year.

Lumber & building material dealer. Milwaukee. Ceased with v. 7, no. 9, Sept. 1938.

Mexico. Secretaría de agricultura y fomento. Dirección de economía rural. Boletín mensual de estadística agricola. Title changed to Boletín mensual de estimaciones agropecuarias with no. 154, Mar. 1939.

The Midwest fruitman. Galena, Kansas. Ceased with v. 12, no. 6, Dec. 1938 (?).



NOTES ON PERIODICALS

New, Changed and Discontinued  
(continued)

- Northwest poultry journal and Pacific homestead. Portland, Ore. Ceased with v. 43, no. 4, Apr. 1938. Combined with the Pacific poultryman, Seattle, Wash., June 1938.
- Photo technique. McGraw-Hill publishing co., inc. New York, N. Y. mo. il. f<sup>o</sup> v. 1, no. 1, June 1939. \$5.00 a year.
- Revista de medicina veterinaria y parasitologia. Revista trimestral de la Escuela superior de medicina veterinaria. Publicación oficial del Ministerio de agricultura y cria, Caracas, Venezuela, S. A. quar. 8<sup>o</sup> il. v. 1, no. 1, Mar. 1939. No price found.
- The Roadside bulletin. New York city. Ceased with v. 5, no. 2, Jan. 1938. Continued by American nature association, Washington, D. C. Quarterly bulletin.
- Der Tabak; zeitschrift der Internationalen tabakwissenschaftlichen gesellschaft. Verlag Richard Gahl, Berlin W.35, Potsdamer Str. 185. Six times a year. il. 8<sup>o</sup> Jahrg. 2, hft. 2, Dec. 1938. RM 10 annually.
- Taiwan no chikusau. Tokyo. Ceased with v. 6, no. 8, Aug. 1938. Continued by Society of animal industry in Formosa. Journal. (Taiwan chikusankai kaiho) v. 1, no. 1, Sept. 1938.
- Venezuela. Ministerio de sanidad y asistencia social. Boletin. Caracas. il. 4<sup>o</sup> v. 4, no. 3, July 1939. No price given.
- Zeitschrift für wissenschaftliche insektenbiologie. Berlin. Ceased with bd. 27 (erste folge, bd. 36) Dec. 31, 1937.

- o - o - o - o - o - o - o - o -

MAP OF MAJOR LAND MANAGEMENT ACTIVITIES

A map of the major land management activities of public agencies within continental United States has recently been published by the U. S. Department of Agriculture. The Forest Service handled the compilation and drafting of the map, with the cooperation of various public agencies whose projects are shown. "The purpose of the map is to provide an accurate, ready source of information on the land management activities of public agencies as an aid to administration and coordination of public programs." The map is posted as of January 1, 1939. Projects are over-printed upon the standard United States Geological Survey map of the United States. The map is printed in two halves (east and west) which, when joined, make a single map five feet high by seven feet long. A small supply of the maps is available for limited distribution to public agencies. For agencies in Washington the Forest Service is equipped to mount the maps on muslin for \$1.75 each; on muslin with moulding at top and pole at bottom, \$3.50 each; on 1/4 inch wall board (without frame), \$6.30 each. Inquiries or orders concerning mounting should be addressed to the Chief, Forest Service.

- o - o - o - o - o - o - o - o -

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT \*

Bureau of Agricultural Economics

- CAVIN, J. P. (Book Review) Economic adaptation to a changing world market, by Carl Major Wright. Copenhagen, Ejnar Munksgaard, 1939. Jour. Farm Econ. 21: 676-678. Aug. 1939.
- CROW, W. C. Fruit and vegetable properties in Washington market valued at \$10,000,000. VII. The N. Y. Packer 35(40): 6. Sept. 16, 1939. ----- Lower Manhattan market facilities are described. VI. The N. Y. Packer 35(39): 5. Sept. 9, 1939.
- GERDES, F. L. (With C. A. BENNETT, Bur. Agr. Chem. and Engin., Senior author.) Essentials of good ginning. Amer. Cotton Grower 5(4): 6-7. Sept. 1939.
- HAM, W. T. (Book Review) Social problems in agriculture: Record of the Permanent Agricultural Committee of the International Labor Office. London, P. S. King & Son, Ltd., 1938. Jour. Farm Econ. 21: 688-689. Aug. 1939.
- LADEJINSKY, W. Japan's agricultural crisis. Jour. Farm Econ. 21: 614-631. Aug. 1939.
- MELOY, G. S. An hypothesis concerning the role of the enzymes in the relative value of cottonseed. Oil & Soap 16: 174-178. Sept. 1939.
- MICHELL, R. L. Economic aspects of hybrid corn - further considered. Jour. Farm Econ. 21: 661-665. Aug. 1939. ----- and ALLEN, R. H. Demand schedules - "normal" and "instantaneous". Jour. Farm Econ. 21: 555-569. Aug. 1939.
- WELLS, C. F. The equilibrium method of tariff analysis applied to Egyptian uppers cotton. Jour. Farm Econ. 21: 632-650. Aug. 1939.
- ZELENY, L. Report on acidity in flour. (Address) Jour. Assoc. Off. Agr. Chem. (1938) 22: 526-535. Aug. 1939. ----- and NEUSTADT, M. H. Report on the refractometric determination of oil and seed (soybeans). (Address) Jour. Assoc. Off. Agr. Chem. (1938) 22(3): 610-618. Aug. 1939.

Bureau of Agricultural Chemistry and Engineering

- ADAMS, J. R. and ROSS, W. H. The effect of moisture on the caking of fertilizers. Amer. Fert. 91(5): 6. Sept. 2, 1939.
- ALLISON, F. E. and HOOVER, S. R. Respiration rates of rhizobium; their estimation and significance. Trans. Third Com. Internatl. Soc. Soil Science (U.S.A., 1939) A: 32-38.
- BECKEL, A. C., SHARP, A. G. and MILNER, R. T. An apparatus for the determination of moisture by the distillation method. Indus. & Engin. Chem. 11: 425-426. Aug. 15, 1939.
- BRANLEY, A. and BREWER, A. K. A thermal method for the separation of gases and isotopes. Science 90: 165-166. Aug. 18, 1939.

---

\*These lists are prepared in the offices under which they are listed.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Chemistry and Engineering (continued)

- COE, M. R. Photochemical studies of rancidity: A note on the possibility of using "Chlorophyll values" as means of estimating the stability of an oil or fat. Oil and Soap 16: 146-147. August 1939.
- CURL, A. L. and NELSON, E. K. Some observations on the colorimetric method for vanillin. Jour. Assoc. Offl. Agr. Chem. 22: 684-688. August 1939.
- FORT, C. A. Changes in the composition of sugarcane juice produced by clarification. Facts About Sugar 34(9): 34-39 & 41, Sept. 1939.
- (With J. I. LAURITZEN, Bur. Plant Indus.) Acid and gum formation in cane frozen during the 1938 harvest. The Sugar Bul. 17(22): 4-6. August 15, 1939.
- GOESLINE, H. E. The preparation and bacteriological examination of fruit juices. Procs. Sixth Internatl. Cong. 1:94-100. 1939.
- HALL, H. H. and KEANE, J. C. Effect of radiant energy rays on thermophilic food spoilage organisms in sugar. Indus. & Engin. Chem. 31:1168-70, Sept. 1939.
- HARDESTY, J. O. and ROSS, W. H. The granulation of fertilizers by the rotary drying method. Amer. Fert. 91(5):6-7, Sept. 2, 1939.
- HENDRICKS, S. B. and ALEXANDER, L. T. Minerals present in soil colloids. I. descriptions and methods for identification. Soil Sci. 48: 257-271. Sept. 1939.
- , Random structures of layer minerals as illustrated by cronstedite ( $2\text{FeO} \cdot \text{Fe}_2\text{O}_3 \cdot \text{SiO}_2 \cdot 2\text{H}_2\text{O}$ ). Possible iron content of keolin. Amer. Mineralogist 24: 529-539. Sept. 1939.
- HORNER, C. K. and BURK, D. The nature and amount of extracellular nitrogen in azotobacter cultures. Trans. Third Com. Internatl. Soc. Soil Sci. (U.S.A. 1939) A:168-174.
- HOVE, O. W. Use of farm maps. Agr. Engin. News Letter (Univ. Minn.) No. 89, Aug. 15, 1939.
- KNIGHT, H. G. The engineer and the chemist in agriculture. Agr. Engin. 20: 299-302. August 1939.
- LEIBACH, L. R. and HANSON, R. L. The elimination of explosion hazards in the handling of chemical materials. In Natl. Safety Council News Letter, July, 1939, pp. 6-8.
- MAXWELL, L. R. (With J. H. KEMPTON, Bur. Plant Indus.) BIOPHYSICS--Delayed killing of maize seeds x-rayed at liquid air temperature. Jour. Wash. Acad. Sciences 29: 368-374, Sept. 15, 1939.
- PRICE, D. J. Some new aspects of dust explosion prevention in industrial plants. In Internatl. News, June 1939, pp. 407 & 418.
- SHIRLEY, A. R. Grades and yields of rosin and turpentine from gum. Naval Stores Rev. 49(15):4. July 8, 1939.
- SORBER, D. G. The use of ethylene in the walnut harvest. Diamond Walnut News, XXI(5): 10-12. 14, Sept. 1939.
- WELLS, P. A. Eastern regional research laboratory. In Procs. North Atlantic Sec. Amer. Soc. Agr. Engin. 1939.
- WHITE, L. M. Fertilizing without danger of injury. East. States Coop. 15(8):5-7. Aug. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
(continued)

Bureau of Animal Industry

- BUNYEA, H. Imminence of pullorum. The occurrence of *Salmonella pullorum* in species other than the chicken. U.S. Egg & Poultry Mag. 45: 562-564, 574. Sept. 1939.
- CHRISTENSEN, J. F., and PORTER, D. A. A new species of coccidium from cattle, with observations on its life history. Helminthol. Soc. Wash. Proc. 6: 45-48. July 1939.
- COUCH, J. F., and BRIESE, R. R. Hydrogen ion concentration and cyanogenesis in sorghum. Amer. Jour. Pharm. 111: 55-64; 151-160; 193-201. Feb., Apr., May 1939.
- DIKMANS, G. Helminth parasites of North American semidomesticated and wild ruminants. Helminthol. Soc. Wash. Proc. 6: 97-101. July 1939.
- DINABURG, A. G. Helminth parasites collected from deer, *Odocoileus virginianus*, in Florida. Helminthol. Soc. Wash. Proc. 6: 102-104. July 1939.
- HARWOOD, P. D. Notes on Tennessee helminths. IV. North American trematodes of the subfamily Notocotylinæ. Tenn. Acad. Sci. Jour. 14: 332-340. July 1939.
- HOWE, P. E., and HANKINS, O. G. Problems of finishing meat animals in the South. Assoc. South Workers Proc. 40th Ann. Conv. (1939) 87-88.
- HOWE, P. E. Some problems in attaining adequate nutrition. Wash. Acad. Sci. Jour. 29: 357-368. Sept. 15, 1939.
- KERR, R. H. Report on meat and meat products. Assoc. Off. Agr. Chem. Jour. 22: 596-598. Aug. 1939.
- LOTZE, J. C. Methods of determining the viability of *Balantidium coli* cysts. Helminthol. Soc. Wash. Proc. 6: 42-45. July 1939.
- LUCKER, J. T. The effect of some halogenated hydrocarbons on the eggs of *Toxocara canis* (Nematoda). Helminthol. Soc. Wash. Proc. 6: 51-57. July 1939.
- McINTOSH, A. Description of a plagiorchoid trematode, *Leptophyllum tamiamiensis*, n. sp., from a poisonous snake. Helminthol. Soc. Wash. Proc. 6: 92-94. July 1939.
- McKENZIE, F. F. Artificial insemination in livestock. This method of breeding has been found to be practicable and useful. Cattleman 26(4): 52-58. Sept. 1939.
- MILLER, W. T., MURDOCK, F. M., HEISMAN, J. O. Second report on the use of large doses of sulfanilamide in the treatment of chronic streptococcal mastitis. Amer. Vet. Med. Assoc. Jour. 95: 140-145. Aug. 1939.
- NORDBY, J. E. Inequalities in the digits in swine. Jour. Hered. 30:307-310. July 1939.
- OLSEN, M. W. Effect of high temperatures for short periods on the quality of infertile eggs. Poultry Sci. 18: 123-124, Mar. 1939.
- PORTER, D. A. Some new intermediate hosts of the swine stomach worms, *Ascarops strongylina* and *Physoccephalus sexalatus*. Helminthol. Soc. Wash. Proc. 6: 79-80. July 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry (continued)

- PRICE, E. W. North American monogenetic trematodes. IV. The family Polystomatidae (Polystomatoidea). Helminthol. Soc. Wash. Proc. 6: 80-92. July 1939.
- REES, C. W., and UNDERWOOD, P. C. Comparative counts of infected and noninfected erythrocytes in bovine anaplasmosis. Helminthol. Soc. Wash. Proc. 6:48-50. July 1939.
- SCHOENING, H. W. Equine encephalomyelitis. Amer. Vet. Med. Assoc. Jour. 95: 268-272. Sept. 1939.
- SCHWARTZ, B. Freedom from viable trichinae of frankfurters prepared under Federal meat inspection. Helminthol. Soc. Wash. Proc. 6:35-37. July 1939.
- SHOCK, W. B., and BUNYEA, H. The detection of carriers of fowl cholera, and its control, by means of a stained-antigen, rapid whole-blood test. Poultry Sci. 18: 146-149. Mar. 1939.
- SHORB, D. A. Preliminary observations of the effect on sheep of pure infestation with the tapeworm *Moniezia expansa*. Helminthol. Soc. Wash. Proc. 6: 77-79. July 1939.
- SPINDLER, L. A., and CROSS, S. X. Intracutaneous tests for the detection of trichina infections experimentally and naturally acquired by swine. Helminthol. Soc. Wash. Proc. 6: 37-42. July 1939.
- WARNER, K. F. How will the freezer locker affect the meat trade? Butchers' Advocate 106(3): 12-13, 19. July 19, 1939.
- (With J. SNOW, Univ. of Tenn.) Mechanical refrigeration and freezer storage for meat. Assoc. South Agr. Workers Proc. 40th Ann. Conv. (1939) 71-72.
- WEHR, E. E. New genera and species of Filarioidea. III. *Sarconema eurycerca* n. gen., n. sp. Helminthol. Soc. Wash. Proc. 6: 95-97. July 1939.
- ZUMERO, P. B. Methods of developing the national poultry improvement plan in the Southern states to its most efficient use. Assoc. South. Agr. Workers Proc. 40th. Ann. Conv. (1939) 166-167.

Bureau of Entomology and Plant Quarantine

- BAKER, W. A., and QUESTEL, D. D. Investigations of insecticides for control of the European corn borer, at Toledo, Ohio, 1937-1938. Jour. Econ. Ent. 32: 526-530. Aug. 1939.
- BARBER, G. W. The use of insecticides in light mineral oil for corn ear worm control. Jour. Econ. Ent. 32: 598. Aug. 1939.
- BATCHELDER, C. H. Experiments with quebracho-fixed nicotine for the control of the European corn borer. Jour. Econ. Ent. 32: 513-516. Aug. 1939.
- BISSEL, T. L. Fighting the pecan weevil. Southeast. Pecan Growers Assoc. Proc. (1939) 33: [36], 38-41.
- BREWER, E. G. Methods and progress in Dutch elm disease eradication. West. Shade Tree Conf. Proc. (1938) 5: 55-60.
- CARTER, R. H. Significant properties of some cryolite materials offered for insecticidal use. Jour. Econ. Ent. 32: 490-492. Aug. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- CASSIDY, J. F., and SMITH, E. The removal of nicotine spray residue from apples. Jour. Econ. Ent. 32: 598. Aug. 1939.
- CLARK, C. A. Host plants and seasonal development of the European corn borer in New Jersey. Jour. Econ. Ent. 32: 516-520. Aug. 1939.
- CUPPLES, H. L. Wetting power, a study of inorganic salts as adjuvants for increasing wetting power. Soap 15(9): 30-31, 41. Sept. 1939.
- CUSHMAN, R. A. New ichneumon-flies parasitic on the hemlock sawfly (*Neodiprion tsugae* Middleton). Wash. Acad. Sci. Jour. 29: [391]-402. Sept. 15, 1939.
- DUNSHEE, W. B. Blister rust threatens the sugar pine. Amer. Forests 45: 492-495, 525-526. Oct. 1939.
- HEINRICH, C. The proper scientific name for the corn ear worm. Jour. Econ. Ent. 32: 595-596. Aug. 1939.
- JONES, E. T. Grasses of the tribe Hordeae as hosts of the Hessian fly. Jour. Econ. Ent. 32: 505-510. Aug. 1939.
- JONES, H. A. Alkaloids in cubé root. Jour. Econ. Ent. 32: 596. Aug. 1939.
- McINDOC, N. E. Segmental blood vessels of the American cockroach (*Periplaneta americana* (L.)). Jour. Morph. 65: 323-351. Sept. 1, 1939.
- MELAMPY, R. M. (With C. S. McCLESKEY, La. State Univ., senior author) Bactericidal properties of royal jelly of the honeybee. Jour. Econ. Ent. 32: 581-587. Aug. 1939.
- POTTS, S. F. Concentrated mixtures for aerial spraying. Jour. Econ. Ent. 32: 576-580. Aug. 1939.
- PRATT, J. G. Vertical illumination for opaque photomicrography. Amer. Ann. of Photog. (1940): 237-239. 1939.
- RAINWATER, C. F., and ALLEN, N. Temperature in the life history of *Rhopalosiphum subterraneum* Mason, a new cotton root aphid. Jour. Econ. Ent. 32: 557-560. Aug. 1939.
- REEVES, E. L., YOTHERS, M. A., and MURRAY, C. W. Unusual development of apple perennial canker, following application of toxic wound dressings. Phytopathology 29: 739-743. Aug. 1939.
- ROARK, R. C. [Book review]. "World Economic Review of Insecticides and Allied Products". June, 1939 ed. Indus. Engin. Chem. News Ed. 17: 614. Sept. 20, 1939.
- SCHLOSBERG, M., and BAKER, W. A. Sweet corn resistance to larval survival of the European corn borer. Jour. Econ. Ent. 32: 530-534. Aug. 1939.
- SIEVERS, A. F., and SULLIVAN, W. N. Toxicity of Tephrosia. Soap 15(9): 111, 113. Sept. 1939.
- SNAPP, O. I. Dichloroethyl ether for the control of the plum curculio attacking peaches. Jour. Econ. Ent. 32: 486-490. Aug. 1939.
- STARR, D. Tartar emetic on leaf and fruit surfaces. Distributional and semiquantitative analysis, using an iodine-starch paper. Indus. Engin. Chem. Analyt. Ed. 11: 519-521. Sept. 15, 1939.
- TODD, F. E. (With A. S. BURRIER, senior author, H. A. SCULLEN, and W. W. GORTON, Agr. Expt. Sta. Oregon) Costs and practices in producing honey in Oregon. Oreg. Agr. Expt. Sta. Bul. 362. 38p. June 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
(continued)

Forest Service

- BASSETT, R. E. Recreational use of the forest in the rehabilitation of cutover area of the Lake states. Jour. Forestry 37:688-691. Sept. 1939.
- BOMHARD, M. L. What palms grow in Louisiana. Part VI. La. Conserv. Rev. 9(2): 35-39. Summer 1939.
- CHAPMAN, R. A. Applicability of the z Test to a poison distribution tables. Biometrika 30: 188-190. June 1939.
- CHIDESIER, G. H., Bray, M. W., and CURRAN, C. E. Growth rate and position of wood in tree as factors influencing kraft and sulphite pulps from jack pine. Jour. Forestry 37: 680-683. Sept. 1939.
- CUNNINGHAM, R. N. The meaning of the Lake states forest survey. Jour. Forestry 37: 698-700. Sept. 1939.
- DAYTON, W. A. (Book review) An ecological glossary, compiled by J. Richard Carpenter. illus., appendix. University of Oklahoma press, Norman, Okla. 1938. Jour. Forestry 37: 756. Sept. 1939.
- EYRE, F. H. Silvicultural management of northern hardwoods. Jour. Forestry 37: 719-721. Sept. 1939.
- KOEHLER, ARTHUR. Heredity versus environment in improving wood in forest trees. Jour. Forestry 37: 683-687. Sept. 1939.
- KNUTSON, C. E. The application of a land utilization program to the Chippewa national forest. Jour. Forestry 37: 738-740. Sept. 1939.
- LE BARRON, R. K. The sportsman and the forest. M. A. C. (Minn. atheletic club) 24(12): 12-13. Sept. 1939.
- MITCHELL, J. A. Accomplishments in fire protection in the Lake states. Jour. Forestry 37: 748-750. Sept. 1939.
- MUNNS, E. N. (Book review) Bioclimatics - The what and why. Comments on "Bioclimatics - A science of life and climatic relations", by A. D. Hopkins. U. S. Department agriculture, Misc. pub. 280. 1938. Chronica Botanica 5(1): 5-8. Spring 1939.
- PESSIN, L. J. Tree dwellers. Amer. Forests 45: 456-457. 469. Sept. 1939.
- ROSS, C. B. Wilderness resurgent. Amer. Forests 45: 439-441. Sept. 1939.
- TRUAX, T. R. The use of chemicals in forest fire control. Jour. Forestry 37: 677-679. Sept. 1939.
- WALES, H. B. Forest planting in the Lake states. Jour. Forestry 37: 691-694. Sept. 1939.
- WINSLOW, C. P. Trends and needs in modern wood utilization. Jour. Forestry 37: 674-676. Sept. 1939.
- WOODS, J. B. Fire strikes again in the Tillamook. Amer. Forests 45: 514. Oct. 1939.
- ZON, RAPHAEL. The human side of land use. Jour. Forestry 37: 735-737. Sept. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Plant Industry

- ALEXANDER, L.T. (With S.B. HENDRICKS and R.A. NELSON, Bur. Chem., & Soils) Minerals present in soil colloids: II. Estimation in some representative soils. Soil Sci. 48:273-279. Sept. 1939.
- BAKKE, A.L. (With W.G. GAESSLER and W.E. LOOMIS, Iowa Agr. Expt. Sta.) Relation of root reserves to control of European bindweed, *Convolvulus arvensis* L. Iowa Agr. Expt. Sta. Res. Bul. 254:113-144. May 1939.
- BOWMAN, D.H. Scientists on search for disease-resisting hybrids. Ohio Farmer 184(7):2. Sept. 23, 1939.
- BRANDON, J.F. and CURTIS, J.J. (With D.W. ROBERTSON, Colo. Agr. Expt. Sta.) Sorghums in Colorado. Colo. Agr. Expt. Sta. Bul. 449. 46 p. Nov. 1938.
- BRUNSON, S.W. Fundamental research is key to better hybrids. Prairie Farmer 111(18):28. Sept. 9, 1939.
- Indiana agricultural experiment station and U.S. Department of agriculture, cooperating. Corn Impr. Conf. Rpt. (1938) 2:19-21. Mar. 30, 1939. (Mimeographed)
- BRYAN, A.A. (With R.C. FICKHAEDT, Iowa Agr. Expt. Sta.) Iowa agricultural experiment station and U.S. Department of agriculture, cooperating. Corn Impr. Conf. Rpt. (1938) 2:21-26. Mar. 30, 1939. (Mimeographed)
- CLARK, C.F. Potato breeding investigations in 1938: review of literature. Amer. Potato Jour. 16:212-220. Aug. 1939.
- CLARKE, A.E. and LOMBARD, P.M. Relation of length of day to flower and seed production in potato varieties. Amer. Potato Jour. 16:236-244. Sept. 1939.
- COFFEY, F.A. Heat resistance in oat varieties. Amer. Soc. Agron. Jour. 31:811-817. Sept. 1939.
- COLE, J.R. and LARGE, J.R. Resumé of four years spraying of Schley pecans with bordeaux mixture to control the scab disease. Southeast. Pecan Growers Assoc. Proc. 33:24, 26, 28, 30, 32, 34-35. 1939.
- COOK, O.F. A second household palm, *Omanthe costaricana*. Science 90: 222-223. Sept. 29, 1939.
- CULLINAN, F.P. Cover crops for peaches. South. Planter 100(9):4. Sept. 1939.
- DANA, B.F. Morphological and anatomical features of phyllody in varieties of tomato and bean. (Abstract) Phytopathology 29:823. Sept. 1939.
- DYKSTRA, T.P. Report on potato virus diseases in 1938. Amer. Potato Jour. 16:204-212. Aug. 1939.
- EVANS, M.W. and WATKINS, J.M. The growth of Kentucky bluegrass and of Canada bluegrass in late spring and in autumn as affected by the length of day. Amer. Soc. Agron. Jour. 31:767-774. Sept. 1939.
- FEUSTEL, I.C. and ANDERSON, M.S. (With A. Dutilly, Catholic Univ. Amer.) Properties of soils from North American arctic regions. Soil Sci. 48: 183-198. Sept. 1939.
- FOWLER, M.E. Witches'-broom. Amer. Forests 45:518. Oct. 1939.
- FURR, J.R. (With C.A. TAYLOR, Bur. Agr. Chem. & Engin.) Lemon fruit growth in relation to soil moisture. Calif. Citrogr. 24:435-439. Oct. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- GARDNER, F.E., MARTH, P.C. and BATJER, L.P. Spraying with plant growth substances to prevent apple fruit dropping. Science 90:208-209. Sept.1,1939.
- HANSEN, D. U.S. tests show highest yields from manured rotations. Through the Leaves 27:159-162. Sept.1939.
- HARDY, M.B. Cultural practices for pecan orchards. Southeast. Pecan Growers. Assoc. Proc. 33:58-60,62-64. 1939.
- HEIN, M.A. A national grass and pasture program. U.S.D.A. will use science to combat ravages of drought years. Natl. Seedsman 5(3):12-13. Sept.1939.
- JENKINS, M.T. Division of Cereal crops and diseases, U.S. Department of agriculture. Corn Impr. Conf. Rpt. (1938) 2:47-49. Mar.30,1939. (Mimeographed)
- JUGENHEIMER, R.W. Kansas agricultural experiment station and U.S. Department of agriculture, cooperating. Corn Impr. Conf. Rpt. (1938) 2:23-27. Mar.30,1939. (Mimeographed)
- KEARNEY, T.H. and PEEBLES, R.H. A comparison of Pima and SxP cotton. Ariz. Univ. Agr. Ext. Serv. [Unnumb.Pub.] 3 p. [1939] (Mimeographed)  
----- Has the Pima variety deteriorated? No. Ariz. Farmer 18(14):12. Sept.16,1939.
- LACKEY, C.F. Virus concentration in root tips of resistant and susceptible sugar beets. (Abstract) Phytopathology 29:825-826. Sept.1939.
- LeCLERG, E.L. Studies on dry-rot canker of sugar beets. Phytopathology 29:793-800. Sept.1939.
- LEWIS, R.D. and HUNTER, J.H. The influence of fertilizers and lime on the growth of green-manure crops on Greenville sandy loam and Norfolk sandy loam soil. Southeast. Pecan Growers Assoc. Proc. 33:44,48-57. 1939.
- MARTIN, R.F. Reduction of Juncus utahensis. Rhodora 41:464. Sept.1939.
- MAY, C. (With C.W. Collins, Bur. Ent. & Plant Quar.) The Dutch elm disease in the United States and its insect vectors. West. Shade Tree Conf. Proc. 5:49-54. 1938.
- MILLER, P.R. Pathogenicity, symptoms, and the causative fungi of three apple rusts compared. Phytopathology 29:801-811. Sept.1939.  
----- The relation of ascospore germinability and dissemination to time of infection and control of Gymnosporangium juniperi-virginianae on red cedar. Phytopathology 29:812-817. Sept.1939.
- MILLER, P.W. The efficacy of some insoluble copper sprays for the control of walnut bacteriosis in Oregon. (Abstract) Phytopathology 29: 826. Sept.1939.
- MORRISON, B.Y. House plants for the weary. Real Gard. 2(6):31-34. Oct.1939.
- MULLER, C.H. Mechanically initiated bark growth in Celtis. Amer. Midland Nat. 22:436-437. Sept.1939.  
----- One-man authority citations. Science 90:207-208. Sept.1,1939.
- MURPHY, H.C. Effect of crown and stem rusts on the relative cold resistance of varieties and selections of oats. Phytopathology 29:763-782. Sept.1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- MYERS, W.M. Inbreeding and the utilization of inbred lines in the improvement of the naturally cross-pollinated forage plants. In Amer. Soc. Agron. Crops Sect. Program Papers... Improvement of naturally cross-pollinated plants, p.1-5. Washington, D.C., 1938. (Mimeographed)
- QUISENBERRY, K.S. and BAYLES, B.B. Growth habit of some winter wheat varieties and its relation to winterhardiness and earliness. Amer. Soc. Agron. Jour. 31:785-789. Sept. 1939.
- SEAWANS, A.E. Extensive experiments on dry land are being conducted at station. Long-time program of tests establishes farming possibilities and limitations of Plains area of state. Billings [Mont.] Gaz. 51(297):1,8. Aug. 27, 1939.
- SIEVERS, A.F. (With W.M. Sullivan, Bur. Ent. & Plant Quar.) Toxicity of Tephrosia. A study of the toxicity of Tephrosia virginiana roots prepared by several methods. Soap 15(9):111,113. Sept. 1939.
- SMITH, R.W. Grasshopper injury in relation to stem rust in spring wheat varieties. Amer. Soc. Agron. Jour. 31:818-821. Sept. 1939.
- SPRAGUE, G.F. Missouri agricultural experiment station and U.S. Department of agriculture, cooperating. Corn Impr. Conf. Rpt. (1938) 2:34-35. Mar. 30, 1939. (Mimeographed)
- STEVENSON, F.J. Late blight resistance in potato varieties as reflected in yields. Amer. Potato Jour. 16:229-232. Sept. 1939.
- STRINGFIELD, G.H. Ohio agricultural experiment station and U.S. Department of agriculture, cooperating. Corn Impr. Conf. Rpt. (1938) 2:41-44. Mar. 30, 1939. (Mimeographed)
- TAYLOR, J.W., BAYLES, B.B. and FINFIELD, C.C. A simple measure of kernel hardness in wheat. Amer. Soc. Agron. Jour. 31:775-784. Sept. 1939.
- WAGENER, W.W. The diagnosis of tree diseases. West. Shade Tree Conf. Proc. 5:28-34. 1938.
- WALLACE, J.M. Evidence of production of antibody-like substances in Turkish tobacco, *Nicotiana tabacum*, infected with curly-top virus. (Abstract) Phytopathology 29:828. Sept. 1939.

Soil Conservation Service

- COOK, H.L. and CAMPBELL, F.B. Characteristics of some meadow strip vegetations. Agr. Engin. 20:345-348. Sept. 1939.
- WINTERS, K.E. Farmer starts soil saving program. Masashi Nishikawa launches first soil and water conservation work of its kind in the islands at his 10 acre papaya farm at Kailua. Hawaii Farm and Home 2(8):3. Aug. 15, 1939.
- WORK, R.A. Soil moisture control by irrigation. Agr. Engin. 20:359-362. Sept. 1939.

- o - o - o - o - o - o - o - o - o -

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK \*

Alabama

- STARR, L. E. Control of trichinosis in hogs. (Abstract) Vet. Med. 34: 600. Oct. 1939.  
WEST, J. L. Lesions of gossypol poisoning in dogs fed cottonseed meal. (Abstract) Vet. Med. 34: 603. Oct. 1939.

Arizona

- MARTIN, W. E. Nitrogen nutrition in relation to yield and quality of grapefruit. Plant Physiol 14: 606-607. July 1939.  
STEELES, R. B. The effect of intercrops and forage crops on the incidence and severity of Phymatotrichum root rot on pecan. (Abstract) Phytopathology 29: 827. Sept. 1939.

Arkansas

- NIELSEN, E. L. Grass studies. III. Additional somatic chromosome complements. Amer. Jour. Bot. 26: 366-372. June 1939.

California

- ALMQUIST, H. J. Properties of vitamin K. World's Poultry Cong. Proc. 7(1939): 138-141. 1939.  
ARNON, D. I., and STOUT, P. R. Molybdenum as an essential element for higher plants. Plant Physiol. 14: 599-602. July 1939.  
ASMUNDSON, V. S. Formation of the egg in the oviduct of birds: observations on turkeys. World's Poultry Cong. Proc. 7(1939): 96-99. 1939.  
ASMUNDSON, V. S. Inherited non-barring of the flight feathers in turkeys. Jour. Heredity 30: 343-348. Aug. 1939.  
ASMUNDSON, V. S. Some factors affecting hatchability of eggs. (Abstract) Poultry Sci. 18: 399. Sept. 1939.  
BARRETT, J. T. Overwintering mycelium of Plasmopara viticola (B & C) Berl. & DeT. in the California wild grape, Vitis californica Benth. (Abstract) Phytopathology 29: 822-823. Sept. 1939.  
BEACH, J. R. Importance of nonspecific pathological conditions in causing mortality and culls in laying flocks. World's Poultry Cong. Proc. 7(1939): 219-224. 1939.  
CAMERON, E. S., and GOSS, H. Preparturient paresis in ewes. (Abstract) Vet. Med. 34: 595-596. Oct. 1939.

---

\* Prepared in the Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- COMPERE, H. The insect enemies of the black scale, *Saissetia oleae* (Bern.) in South America. Calif. Univ. Pubs., Ent. 7: 75-90. 1939.
- COMPERE, H. Mealybugs and their insect enemies in South America. Univ. Calif., Pubs., Ent. 7: 57-74. 1939.
- CRUESS, W. V. New canned fruit juices. Canner 89: 10-12. Aug. 26, 1939.
- CRUESS, W. V. Observations on olives and olive products in Egypt and Italy. Fruit Prod. Jour. and Amer. Vinegar Indus. 19: 11-16, 25, 27-28. Sept. 1939.
- FRAENKEL-CONRAT, H., SIMPSON, M. E., and EVANS, H. M. The effect of cysteine on gonadotropic hormones. Jour. Biol. Chem. 130: 243-249. Sept. 1939. (H. Graenkel-Conrat and M. E. Simpson, Univ. Calif.)
- PREITAG, J. H., and SEVERIN, H. H. P. Additional celery viroses. (Abstract) Phytopathology 29: 824. Sept. 1939.
- HANSEN, H. N., and THOMAS, H. E. Camellia blossom blight. (Abstract) Phytopathology 29: 824. Sept. 1939.
- HARING, C. M. Results of vaccination with *Brucella abortus* strain 19 in an infected herd. Jour. Amer. Vet. Med. Assoc. 94: 587-589. June 1939.
- HINSHAW, W. R. Diseases of turkeys in the United States---a review. World's Poultry Cong. Proc. 7(1939):236-240. 1939.
- HUGHES, E. H., and CAMERON, H. S. Hog cholera immunization in pigs on low vitamin-B-complex intake. Jour. Amer. Vet. Med. Assoc. 95: 106-107. July 1939.
- JACK, E. L. Water sorption by dry milk solids. II. The relation between volume contraction and the degree of sorption. Jour. Dairy Sci. 22: 761-766. Sept. 1939.
- JUKES, T. H. Ineffectiveness of manganese in preventing slipped tendon in turkey poults. (Abstract) Poultry Sci. 18: 405-406. Sept. 1939.
- LENER, I. M. Allometric studies of poultry. World's Poultry Cong. Proc. 7(1939): 85-88. 1939.
- LENER, I. M. Predictability of body weight from live shank measurements. Poultry Sci. 18: 378-380. Sept. 1939.
- LI, C. H., SIMPSON, M. E., and EVANS, H. M. Action of ketene on the pituitary lactogenic hormone. Science 90: 140-141. Aug. 11, 1939. (C. H. Li and M. E. Simpson, Univ. Calif.)
- LORENZ, F. W. Relation of blood-lipid level to reproduction in the domestic fowl. World's Poultry Cong. Proc. 7(1939): 113-115. 1939.
- MACKIE, W. W. Breeding for resistance in blackeye cowpeas to cowpea wilt, charcoal rot, and root-knot nematode. (Abstract) Phytopathology 29: 826. Sept. 1939.
- MCNEIL, E., PLATT, E. D., and HINSHAW, W. R. *Hexamita* sp. from quail and from chukar partridges. Cornell Vet. 29: 330-333. July 1939. (In Coop. with Calif. Fish and Game Commission, Chino)



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- KELLEY, W. P., DOPE, W. H., WOODFORD, A. O., and BROWN, S. M. The colloidal constituents of California soils. Soil Sci. 48: 201-255. Sept. 1939.  
(A. O. Woodford, Pomona Col.)
- SEVERIN, H. H. P. (With S. J. Oliver) Delphinium aster yellows. (Abstract) Phytopathology 29: 826. Sept. 1939.
- SMITH, D. J., and SMITH, C. O. The use of special media for sporulation of fungi. (Note) Phytopathology 29: 821. Sept. 1939.
- SNYDER, W. C., and HANSEN, E. N. Culture methods in relation to Fusarium Identification. (Abstract) Phytopathology 29: 827. Sept. 1939.
- STOUT, P. R., and Hoagland, D. R. Upward and lateral movement of salt in certain plants as indicated by radioactive isotopes of potassium, sodium, and phosphorus absorbed by roots. Amer. Jour. Bot. 26: 320-324. May 1939.
- TAYLOR, L. W., and GUNNS, C. A. Development of the unincubated chick embryo in relation to hatchability of the egg. World's Poultry Cong. Proc. 7(1939): 188-190. 1939.
- TAYLOR, L. W., and DeOME, K. B. Failure of wheat germ oil to prevent lymphomatosis in chickens. Jour. Amer. Vet. Med. Assoc. 95: 73-76. July 1939.
- THOMAS, H. E. The stem nematode disease of oats and peas. (Abstract) Phytopathology 29: 827. Sept. 1939.
- THOMAS, H. E. (With L. O. LAWYER) The use of carbon bisulphide in the control of Armillaria root rot. (Abstract) Phytopathology 29: 827-828. Sept. 1939.
- TOMPKINS, C. M. (With J. T. MIDDLETON) Root rot of Ranunculus asiaticus caused by Phthium debaryanum. (Abstract) Phytopathology 29: 828. Sept. 1939.
- WILSON, E. E. The effect of petroleum oil emulsion on the fungicidal value of Bordeaux mixture. (Abstract) Phytopathology 29: 828. Sept. 1939.
- YARWOOD, C. E. Attempts at the in vitro culture of Erysiphe polygoni and Peronospora destructor. (Abstract) Phytopathology 29: 828-829. Sept. 1939.

## Colorado

- DANIELS, L. B. Appearance of a new potato disease in northeastern Colorado. Science 90: 273. Sept. 22, 1939.
- THORP, F., Jr. (With F. W. TANNER, Univ. Ill.) Aerobic flora occurring in pneumonic lungs of swine. (Abstract) Vet. Med. 34: 398-399. Oct. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Colorado (Continued)

- WILGUS, H. S. (With L. C. NORRIS and G. F. HEUSER, Cornell Univ.) The role of manganese in poultry nutrition. World's Poultry Cong. Proc. 7(1939): 171-174. 1939.

## Connecticut (Storrs)

- CLARKE, G. B. Organization of regional markets. New England Inst. Coop. Proc. 11(1938): 79-81. [1939?]  
 DAVIS, I. G. The problems of agricultural cooperation in New England. New England Inst. Coop. Proc. 11(1938): 9-12. [1939?] Mimeographed.  
 JUNGHERR, E. Pathology of spontaneous and experimental cases of epidemic tremor. (Abstract) Poultry Sci. 18: 406. Sept. 1939.  
 PLASTRIDGE, W. N., and WILLIAMS, L. F. Serological types of Streptococcus uberis. Jour. Bact. 38: 352. Sept. 1939.

## Connecticut (State)

- JONES, D. F. Sex intergrades in dioecious maize. Amer. Jour. Bot. 26: 412-415. June 1939.  
 MORGAN, M. F. Agronomic and horticultural considerations in the use of simple chemical soil tests. (Abstract) Amer. Fert. 91: 7-8. Sept. 2, 1939.  
 SWANBACH, T. R. Studies on antagonistic phenomena and cation absorption in tobacco in the presence and absence of manganese and boron. Plant Physiol. 14: 423-446. July 1939.

## Florida

- ABBOTT, O. D., AHMANN, C. F., and OVERSTREET, M. R. Effect of avitaminosis A on the human blood picture. Amer. Jour. Physiol. 126: 254-260. June 1, 1939.  
 BLACKMON, G. H. Some factors affecting pecan yields. Southeast. Pecan Growers Assoc. Proc. 33(1939): 14-16, 18, 20-23. 1939.  
 CAMP, A. F. Factors in Diagnosing Citrus grove conditions. Citrus Indus. 20: 5, 8, 20-21. June 1939.  
 EMMEL, M. W. Hemocytoblastosis in the chicken. World's Poultry Cong. Proc. 7(1939): 298-300. 1939.  
 EMMEL, M. W. Observations on Capillaria contorta in turkeys. Jour. Amer. Vet. Med. Assoc. 94: 612-615. June 1939.  
 HOWARD, R. H. Some results of studies on citrus production costs. Citrus Indus. 20: 5, 13. Aug. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Florida (Continued)

- MEHRHOF, N. R., and RUSHOFF, L. L. Utilization of citrus meal for poultry. World's Poultry Cong. Proc. 7(1939): 209-212. 1939.
- NOBLE, C. V. A review of the 1938-39 citrus season. Citrus Indus. 20: 15, 18. Aug. 1939.
- PEECH, M., TIDWELL, C. M., and BROWN, M. L. A rapid laboratory method for the determination of exchangeable magnesium in soils. Citrus Indus. 20: 6-7, 10-11, 14, 18. Aug. 1939.
- RHOADS, A. S. Further light on the nature and cause of psorosis of citrus trees. Citrus Indus. 20: 11-12. June 1939.
- RUSOFF, L. L. and MEHRHOF, N. R. Shark liver oil - a potent source of vitamin A for poultry. Poultry Sci. 18: 339-344. Sept. 1939.
- SMITH, F. B. The importance of organic matter in soils. Citrus Indus. 20: 6, 19. June 1939.
- THOMPSON, W. L. Factors influencing development and control of scale insects on citrus. Citrus Indus. 20: 4-5, 9, 13, 16-17. July 1939.
- WATSON, J. R. Control measures for mealybugs. Citrus Indus. 20: 9, 21. June 1939.
- WATSON, J. R. Cover crops and their relation to citrus insects. Citrus Indus. 20: 10-11. July 1939.
- WATSON, J. R., and BRATLEY, H. E. Some ecological notes on the lubberly locust - *Romalea micropter* Beauv. Fla. Ent. 22: 31. April 1939.
- WATSON, J. R. Two new Thysanoptera from Mexico. Fla. Ent. 22: 17-19. April 1939.
- WEBER, G. F. Unfamiliar terms about fungi. Citrus Indus. 20: 7, 12. July 1939.

## Georgia

- BISSELL, T. L. Fighting the pecan weevil. Southeast. Pecan Growers Assoc. Proc. 33(1939): 36, 38-41. 1939. (In Coop. with U. S. Dept. Agr.)

## Illinois

- BURMESTER, B. R., and CARD, L. E. The effect of restricted feeding time on food intake, body weight, and egg production. (Abstract) Poultry Sci. 18: 402-403. Sept. 1939.
- BURMESTER, B. R., SCOTT, H. M., and CARD, L. E. Rate of egg-shell formation in the hen. World's Poultry Cong. Proc. 7(1939): 99-101. 1939.
- BURMESTER, B. R., SCOTT, H. M., and CARD, L. E. The rate of plumping of uterine eggs immersed in an artificial uterine solution. (Abstract) Poultry Sci. 18: 403. Sept. 1939.



## ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (Continued)

- CARD, L. E. Advancing the poultry industry. World's Poultry Cong. Proc. 7(1939): 403. 1939.
- CARD, L. E. Some contributions of research to the poultry industry. World's Poultry Cong. Proc. 7(1939): 26-31. 1939.
- HESTER, H. R., and GRAHAM, R. Lymphocytoma or lymphoid leucemia in a pig. Cornell Vet. 29: 334-337. July 1939.
- KOEHLER, B. Crazy top of corn. Phytopathology 29: 817-820. Sept. 1939.
- LEVINE, N. D. (With C. A. BRANDLY, Univ. Ill.) A pathogenic Trichomonas from the upper digestive tract of chickens. Jour. Amer. Vet. Med. Assoc. 95: 77-78. July 1939.
- LEVINE, N. D. (With C. A. BRANDLY, Univ. Ill.) Upper digestive tract trichomoniasis in chickens. (Abstract) Poultry Sci. 18: 407. Sept. 1939.
- PRUCHA, M. J. Public health aspects of fruits, nuts, colors, and extracts used in frozen desserts. Jour. Milk Tech. 2: 127-129. May 1939.
- ROBERTS, E., SEVERENS, J. M., and CARD, L. E. Effect of environment on the expression of resistance and susceptibility to disease in the domestic fowl. World's Poultry Cong. Proc. 7(1939): 431-434. 1939.
- ROBERTS, E., SEVERENS, J. M., and CARD, L. E. Nature of the hereditary factors for resistance and susceptibility to pullorum disease in the domestic fowl. World's Poultry Cong. Proc. 7(1939): 52-54. 1939.
- SAMPSON, J., BOLEY, L. E., and GRAHAM, R. Ketone bodies, sugar, and calcium in the blood of nonpregnant ewes. (Abstract) Vet. Med. 34: 596-597. Oct. 1939.
- SCOTT, H. M., and BURMESTER, B. R. Effect of resection of the albumen tube on secretion of egg white. World's Poultry Cong. Proc. 7(1939): 102-106. 1939.
- TRACY, P. H. Sanitation of products added to frozen desserts. Jour. Milk Tech. 2: 118-126. May 1939.

## Indiana

- BURKHOLDER, C. L., and HALL, H. G. The cost of removing mature apple trees, leveling ground, liming, fertilizing, reseeding and replanting. Ill. State Hort. Soc. News Letter no. 6, p. 3-4. Sept. 1939.
- CURTIS, P. B. Report on adulteration of condensed milk products and cod liver oil. Jour. Assoc. Off. Agr. Chem. 22: 676-677. Aug. 1939.
- DOYLE, L. P. A study of death losses in new-born pigs. (Abstract) Vet. Med. 34: 597-598. Oct. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

Iowa

- ALLBAUGH, L. G. The place of the poultry enterprise in the (Corn Belt) farm business. World's Poultry Cong. Proc. 7(1939): 312-318. 1939.
- BAKKE, A. L. Soil moisture relationship of the European bindweed (*Convolvulus arvensis* L.) [Abstract?] Iowa Acad. Sci. Proc. v. 45(1938): 100. [1939?]
- BECKER, E. R. (With P. C. WATERS, Iowa State Col.) Biological assay of feeding stuffs in a basal ration for coccidium-growth-promoting substance. III. Dried fish meal, alfalfa meal, white wheat flour. Iowa State Col. Jour. Sci. 13: 243-247. April 1939.
- HENDERSON, E. W. Influence of Temperature on length of artificial incubation period of *Gallus domesticus*. World's Poultry Cong. Proc. 7(1939): 180-184. 1939.
- KIRK, W. G. The effect of the ingestion of irradiated yeast, molds, and ergosterol on the antirachitic potency of ewe's milk. Iowa State Col. Jour. Sci. 13: 235-238. April 1939.
- LARSEN, J. A. (With W. G. STUMP, Iowa State Col.) Some experiments with fertilizers for evergreen seedlings. Iowa State Col. Jour. Sci. 13: 293-311. April 1939.
- LOWE, B. Effect of drawing before freezing on the palatability of poultry. World's Poultry Cong. Proc. 7(1939): 500-505. 1939.
- MARTIN, J. N. Some features in the life history of *Amphicarpa bracteata* (L.) Fernald (hog peanut). Iowa Acad. Sci. Proc. v. 45(1938): 75-88. [1939?]
- MURPHY, H. C. Effect of crown and stem rusts on the relative cold resistance of varieties and selections of oats. *Phytopathology* 29: 763-782. Sept. 1939. (In Coop. with U. S. Dept. Agr.)
- NORMAN, A. G. Biochemical approach to grass problems. Jour. Amer. Soc. Agron. 31: 751-760. Sept. 1939.
- REYNOLDS, H., HOEHN, W. M., and WERKMAN, C. H. Occurrence of acrolein as an intermediate during the fermentation of glycerol by the coliaerogenes bacteria. Iowa State Col. Jour. Sci. 13: 275-277. April 1939. (W. M. HOEHN, Iowa State Col.)
- RICHARDS, L. A. Wet thermojunctions for measuring relative humidity. Iowa Acad. Sci. Proc. v. 45(1938): 175-178. [1939?]
- RUSSELL, M. B., and RICHARDS, L. A. Heat of wetting of soils. Iowa Acad. Sci. Proc. v. 45(1938): 179-185. [1939?] (M. B. Russell, Iowa State Col.)
- SASS, J. E. Further studies of non-nuclear structures in the basidium. [Abstract?] Iowa Acad. Sci. Proc. v. 45(1938): 99-100. [1939?]
- SASS, J. E. Some cytological details of Ceresan poisoning in seedlings. [Abstract?] Iowa Acad. Sci. Proc. v. 45(1938): 99. [1939?]
- SCOTT, T. G. Noteworthy additions to the collection of mammals from Iowa in 1938. Iowa State Col. Jour. Sci. 13: 239-241. April 1939. (In Coop. with U. S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Iowa (Continued)

- SUTTON, W. R., and NELSON, V. E. Blood sugar changes in the rat produced by salts of beryllium, magnesium, and zinc with some observations on hemoglobin and red blood corpuscles. Iowa Acad. Sci. Proc. v. 45(1938): 115-121. [1939?] (W. R. Sutton, Iowa State Col.)
- TINTNER, G. The distribution of symmetric quadratic forms in normal and independent variables. Iowa State Col. Jour. Sci. 13: 231-233. April 1939. (W. R. Sutton, Iowa State Col.)
- WATERS, F. F. Genetic aspects of egg weight observed during inbreeding experiments. World's Poultry Cong. Proc. 7(1939): 55-58. 1939.

## Kansas

- ACKERT, J. E. Factors in the resistance of chickens to parasitic worms. World's Poultry Cong. Proc. 7(1939): 265-267. 1939.
- CONRAD, R. M., and SCOTT, H. M. The accumulation of protein in the oviduct of the fowl. (Abstract) Poultry Sci. 18: 404. Sept. 1939.
- CONRAD, R. M., and SCOTT, H. M. Changes in ovomucin during egg storage. World's Poultry Cong. Proc. 7(1939): 528-530. 1939.
- KRAMER, M. M., DICKMAN, R. M., HILDRETH, M. D., KUHLERT, B. L., and RIDDELL, W. H. The riboflavin value of milk. Jour. Dairy Sci. 22: 753-759. Sept. 1939.
- PERKINS, A. T., and BEADLE, B. W. Report on mineral mixed feeds. Jour. Assoc. Off. Agr. Chem. 22: 647-650. Aug. 1939.
- WARREN, D. C. Contributions of genetics to practices in poultry breeding. World's Poultry Cong. Proc. 7(1939): 39. 1939.

## Kentucky

- BUCKNER, G. D., INSKO, W. M., Jr., MARTIN, J. H., and HARRIS, A. Influence of starch on the deposition and composition of chicken and egg yolk fat. World's Poultry Cong. Proc. 7(1939): 534-535. 1939.
- BYWATERS, J. H., INSKO, W. M., Jr., and LPTIN, J. F. Body measurements and meat grades of turkeys. (Abstract) Poultry Sci. 18: 403. Sept. 1939.
- DIACHUN, S., and VALLEAU, W. D. Relation of stomatal opening to water soaking of tobacco leaves. Amer. Jour. Bot. 26: 347-351. May 1939.
- EDWARDS, P. R. Incidence of Salmonella types in fowls in the United States. World's Poultry Cong. Proc. 7(1939): 271-274. 1939.
- McHARGUE, J. S., and OFFUTT, E. B. Report on less common elements: modification of the tentative method for determination of iodine in plant material. Jour. Assoc. Off. Agr. Chem. 22: 471-476. Aug. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Kentucky (Continued)

RINGROSE, A. T., MARTIN, J. H., and INSKO, W. M., Jr. Manganese requirements of turkey poults. (Abstract) Poultry Sci. 18: 409-410. Sept. 1939.

## Maryland

BYERLY, T. C. Present status of poultry physiology. World's Poultry Cong. Proc. 7(1939): 75-76. 1939.

GWIN, J. M. An economic analysis of cooperative egg marketing. World's Poultry Cong. Proc. 7(1939): 350-352. 1939.

RUBIN, M., BIRD, H. R., and DeVOLT, H. M. Vitamin A deficiency in commercial poultry flocks. (Abstract) Poultry Sci. 18: 410-411. Sept. 1939.

## Massachusetts

HAYS, F. A. Absence of linkage between genes for early sexual maturity and genes for high persistency in egg production in the domestic fowl. World's Poultry Cong. Proc. 7(1939): 70-72. 1939.

HAYS, F. A. Color markings in Rhode Island Red chicks. (Abstract) Poultry Sci. 18: 405. Sept. 1939.

VAN ROEKEL, H. Present status of pullorum disease in the United States. World's Poultry Cong. Proc. 7(1939): 278-282. 1939.

## MICHIGAN

BANDEMER, S. L., DAVIDSON, J. A., and SCHAIBLE, P. J. Availability of manganese in natural and precipitated manganese carbonate. (Abstract) Poultry Sci. 18: 399-400. Sept. 1939.

GILTNER, W. Milk hygiene in the United States of America. Internatl. Vet. Cong. [Proc.] 13(1938): 1143-1151. 1939.

HARRISON, C. M. Greenhouse studies of the effect of clipping the tops of alfalfa at various heights on the production of roots, reserve carbohydrates, and top growth. Plant Physiol. 14: 505-516. July 1939.

HERBERT, P. A. Some phases of county planning in Michigan. Jour. Forestry 37: 743-747. Sept. 1939.

HILDEBRAND, S. C., and HARRISON, C. M. The effect of height and frequency of cutting alfalfa upon consequent top growth and root development. Jour. Amer. Soc. Agron. 31: 790-799. Sept. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Michigan (Continued)

- LANGHAM, R., and HALLMAN, E. T. The bovine kidney in health and disease. Jour. Amer. Vet. Med. Assoc. 95: 22-32. July 1939.
- LANGHAM, R. F., and HALLMAN, E. T. Chronic myeloid leukemia of a hog? Jour. Amer. Vet. Med. Assoc. 94: 653-654. June 1939.
- MILLER, E. J. Report on plants. Jour. Assoc. Off. Agr. Chem. 22: 471. Aug. 1939.
- SCHAIBLE, P. J., GRISWOLD, R. M., DAVIDSON, J. A., and BARNDEMER, S. L. Squab chickens--an outlet for excess cockerels. World's Poultry Cong. Proc. 7(1939): 448-452. 1939.
- SHOLL, L. B. Stiff lamb disease in Michigan. Jour. Amer. Vet. Med. Assoc. 95: 108-109. July 1939.
- SHOLL, L. B. A summary of 700 autopsies on sheep and lambs. Jour. Amer. Vet. Med. Assoc. 94: 663-664. June 1939.
- STAFSETH, H. J. The poultry-disease situation. World's Poultry Cong. Proc. 7(1939): 215-216. 1939.
- STAFSETH, H. J. Pseudomonas infection in turkeys. (Abstract) Poultry Sci. 18: 412. Sept. 1939.
- STAFSETH, H. J. Streptococcic infections in dogs. II. Pathogenicity for pups, tonsillitis, abscesses and "acid milk". (Abstract) Vet. Med. 34: 803. Oct. 1939.

## Minnesota

- FITCH, C. P., BOYD, W. L., BISHOP, L. M., and KELLY, M. Localization of Brucella abortus in the bovine uterus. Cornell Vet. 29: 253-260. July 1939.
- FITCH, C. P., BOYD, W. L., and BISHOP, L. M. Studies on saliva and salivary glands for the presence of Brucella abortus. Cornell Vet. 29: 338-340. July 1939.
- HUGHES, C. A., MILLER, D. G., and MANSON, P. W. Effect of weight of tampers and number of tamps on the flexural strength of concrete silo staves. Jour. Amer. Concrete Inst. 11: 37-47. Sept. 1939. (In Coop. with U. S. Dept. Agr.)
- KERNKAUF, H. C. H. The blood picture in hog cholera. (Abstract) Vet. Med. 34: 598. Oct. 1939.
- LeCLERG, E. L. Studies on dry-rot canker of sugar beets. Phytopathology 29: 793-800. Sept. 1939. (In Coop. with U. S. Dept. Agr.)
- RILEY, W. A. The need for data relative to the occurrence of hydatids and of Echinococcus granulosus in wildlife. Jour. Wildlife Mgmt. 3: 255-257. July 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(Continued)

## Mississippi

SIPE, G. R., and POLK, H. D.    The response of laying hens to sudden feed changes.    Poultry Sci. 18: 394-398.    Sept. 1939.

## Missouri

- BROWN, E. H.    Equipment for the growing of plants at controlled temperatures. Plant Physiol. 14: 517-526.    July 1939.    (In Coop. with U. S. Dept. Agr.)
- DURANT, A. J.    Ectopia cordis in a Hereford calf.    Vet. Med. 34: 619. Oct. 1939.
- ELDER, C.    Comparative results of tube and plate tests for Bang's disease on suspicious animals.    Jour. Amer. Vet. Med. Assoc. 95: 38-43.    July 1939.
- FUNK, E. M.    The profitable utilization of sciled shell eggs.    World's Poultry Cong. Proc. 7(1939): 492-495.    1939.
- FUNK, E. M.    The relation of size of clutch and position of the egg in the clutch to hatching results.    Poultry Sci. 18: 350-353.    Sept. 1939.
- GARRISON, E. R.    Report on lactose in milk: effect of volume of precipitate on accuracy of polarimetric determination.    Jour. Assoc. Off. Agr. Chem. 22: 489-495.    Aug. 1939.
- PARKER, J. E., MCKENZIE, F. F., and KEMPSTER, H. L.    Observations on the sexual behavior of cockerels. (Abstract)    Poultry Sci. 18: 409.    Sept. 1939.

## Montana

LAMBERT, W. V., SPEELMAN, S. R., and OSBORN, E. B.    Differences in incidence of encephalomyelitis in horses.    Jour. Heredity 30: 349-352.    Aug. 1939. (In Coop. with U. S. Dept. Agr.)

## Nebraska

- DOWNES, P. A.    Condensed and evaporated milk with reference to ice cream. Jour. Milk Tech. 2: 130-132.    May 1939.
- LUSSEHL, F. E., and ACKERSON, C. W.    The effect of adding manganese to a specific ration for growing poults. (Abstract)    Poultry Sci. 18: 408. Sept. 1939.
- SANDSTEDT, R. M.    Report on sugar in flour.    Jour. Assoc. Off. Agr. Chem. 22: 535-538.    Aug. 1939.

## New Jersey

BEAUDETTE, F. R.    Respiratory diseases of birds.    World's Poultry Cong. Proc. 7(1939): 256-258.    1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New Jersey (Continued)

- GARRETT, O. F., HARTMAN, G. H., and ARNOLD, R. B. Some factors affecting the stability of certain milk properties. I. Effect of succulent roughages on flavor. *Jour. Dairy Sci.* 22: 717-727. Sept. 1939.
- HEUCHELEKIAN, H., and HEINEMANN, B. Studies on the methane-producing bacteria. III. Digestion of sewage solids by the addition of enriched cultures of methane-producing organisms. *Sewage Works Jour.* 11: 571-586. July 1939.
- HUDSON, C. B. Curled tongue in young poult. *Jour. Amer. Vet. Med. Assoc.* 94: 602. June 1939.
- METZGER, H. J. Incubating hen's egg as a culture medium for *Brucella abortus*. (Abstract) *Vet. Med.* 34: 591-592. Oct. 1939.
- MURPHY, J. M. The value of the Hotis test in detecting mastitis streptococci in milk. *Cornell Vet.* 29: 279-286. July 1939.
- PADDICK, M. E., and SPRAGUE, H. B. Maize seed characters in relation to hybrid vigor. *Jour. Amer. Soc. Agron.* 31: 743-750. Sept. 1939.
- PLATT, C. S. Effect of restricting the cereal diet of pigeons to corn and wheat. *World's Poultry Cong. Proc.* 7(1939): 466-468. 1939.
- RUDOLFS, W., and HEINEMANN, B. Growth promoting substances in sewage and sludge. III. Vitamin C, carotene, amino acids, fatty acids, and naphthyl compounds. *Sewage Works Jour.* 11: 587-594. July 1939.
- RUSSELL, W. C. Report on vitamin D: present status of the use of the tentative method - feeding of non-vitamin D milk with the reference oil. *Jour. Assoc. Off. Agr. Chem.* 22: 468-470. Aug. 1939.

## New York (Cornell)

- BAKER, D. W., SALISBURY, G. W., and BRITTON, J. W. Control of equine strongylosis. Part I. The effect of natural factors on the development of strongylosis in foals. *Cornell Vet.* 29: 297-308. July 1939. (D. W. Baker and J. W. Britton, N. Y. State Vet. Col.)
- BAUERNFEIND, J. C., and NORRIS, L. C. The effect of the level of dietary riboflavin upon the quantity stored in eggs. (Abstract) *Poultry Sci.* 18: 400. Sept. 1939. (J. C. Bauernfeind, Cornell Univ.)
- BLADFIELD, R. The effect of developments in soil science upon fertilizer practices. *Amer. Fert.* 91: 5-8, 24, 26. Aug. 5, 1939.
- Same title appears in *Natl. Fert. Assoc. Proc.* 15(1939): 53-64. 1939.
- COLE, R. K. A new autosomal lethal in the fowl. (Abstract) *Poultry Sci.* 18: 403-404. Sept. 1939.
- DIMOCK, A. W. The effects of sea spray deposits on spore germination and mycelial growth of the cypress canker fungus. (Abstract) *Phytopathology* 29: 823. Sept. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York (Cornell) (Continued)

- HAND, D. B., and SHARP, P. F. Rapid photoelectric determination of carotenoid in milk fat. Jour. Dairy Sci. 22: 729-735. Sept. 1939.
- HUTT, F. B., and BRUCKNER, J. H. Evidence of subnormal reproduction in Wyandottes. (Abstract) Poultry Sci. 18: 405. Sept. 1939.
- HUTT, F. B., BRUCKNER, J. H., and Cole, R. K. Reduction of mortality in fowls by breeding. World's Poultry Cong. Proc. 7(1939): 49-51. 1939.
- LAFOREUX, W. F. Auto-sexing with genes for barring and mottling. (Abstract) Poultry Sci. 18: 406-407. Sept. 1939.
- MISNER, E. G. Factors affecting profits on commercial poultry farms. World's Poultry Cong. Proc. 7(1939): 308-311. 1939.
- REDDICK, D. (With W. R. MILLS, Cornell Univ.) Blight immune versus blight resistant potatoes. Amer. Potato Jour. 16: 220-224. Aug. 1939.
- ROMANOFF, A. L., and COTTELL, C. L. Detection of fertility in eggs. (Abstract) Poultry Sci. 18: 410. Sept. 1939.
- ROMANOFF, A. L. Effect of temperature shock on development of chick embryo. World's Poultry Cong. Proc. 7(1939): 184-186. 1939.
- SCHUMACHER, A. E., and HEUSER, G. F. The importance of riboflavin in reproduction in poultry. Poultry Sci. 18: 369-374. Sept. 1939. (A. E. Schumacher, Cornell Univ.)
- SCHUMACHER, A. E., and HEUSER, G. F. Some properties of the new growth and reproduction factor with further results of its effect on chicks and hens. (Abstract) Poultry Sci. 18: 411-412. Sept. 1939. (A. E. Schumacher, Cornell Univ.)
- SHARP, P. F., and HAND, D. B. The carotenoid content of milk fat. Jour. Dairy Sci. 22: 737-741. Sept. 1939.
- SHARP, P. F. (With V. N. KRUKOVSKY, Cornell Univ.) Differences in absorption of solid and liquid fat globules as influencing the surface tension and creaming of milk. Jour. Dairy Sci. 22: 743-751. Sept. 1939.
- VAN MAGENEN, A., HALL, G. O., and ALTMANN, E. Temperature and humidity in the short-time holding of eggs. World's Poultry Cong. Proc. 7(1939): 516-521. 1939.

## New York State

- EINSET, O. Experiments in plum pollination. Gartenbauwissenschaft 13: 318-326. Aug. 1, 1939.
- LEE, F. A. The influence of sampling on the accuracy of the tenderometer. Canner 89: 13. Aug. 26, 1939.
- RICE, J. W. Controlling the bacterial content of the fibre bottle cap. Pa. Assoc. Dairy Sanit. Ann. Rpt. 15(1939): 98-105. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(Continued)

## North Carolina

- BOSTIAN, C. H., and DEARSTYNE, R. S. Studies on the relationship of adult mortality in S. C. White Leghorns to production, sexual maturity, body weight and other factors. (Abstract) Poultry Sci. 18: 402. Sept. 1939.
- HALVERSON, J. O., HOSTETLER, E. H., FOSTER, J. E., and SHEPWOOD, F. W. Soybean hay, alfalfa hay and yellow corn as vitamin A supplements in cottonseed meal rations for growing cattle. Jour. Nutrition 18: 285-296. Sept. 10, 1939.

## North Dakota

- HARRIS, R. H. Comparative data obtained on some 1943 hard red spring wheat varieties by the use of four baking formulas. Cereal Chem. 16: 533-540. July 1939.

## Ohio

- BETHKE, R. M. Progress in poultry nutrition. World's Poultry Cong. Proc. 7(1939): 122. 1939.
- KENWARD, D. C., and CHAMBERLIN, V. D. Studies of individual layers. World's Poultry Cong. Proc. 7(1939): 443-448. 1939.

## Oklahoma

- JAAP, R. G., THOMPSON, R. B., and Milby, T. T. Heritable body shape of the domestic turkey. World's Poultry Cong. Proc. 7(1939): 68-70. 1939.
- MILBY, T. T., and PENQUITE, R. Feeding grasshoppers to turkeys. (Abstract) Poultry Sci. 18: 407-408. Sept. 1939.

## Oregon

- DANA, D. F. Morphological and anatomical features of phylloxy in varieties of tomato and bean. (Abstract) Phytopathology 29: 823. Sept. 1939.
- DICKINSON, E. M. The effects of variable dosages of sporulated Eimeria acervulina oocysts on chickens. (Abstract) Poultry Sci. 18: 404. Sept. 1939.
- DOUGHERTY, R. W. Induced bloat in dairy cows. (Abstract) Vet. Med. 34: 394. Oct. 1939.
- HAAG, J. R., and WRIGHT, L. D. Cystine and methionine requirements for growth and lactation. Science 90: 158. Aug. 18, 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Oregon (Continued)

- McWHORTER, F. P.    The white streak or white stripe disease of narcissus.  
(Abstract)    Phytopathology 29: 826.    Sept. 1939.
- MILLER, P. W.    The efficacy of some insoluble copper sprays for the control  
of walnut bacteriosis in Oregon. (Abstract)    Phytopathology 29: 826.  
Sept. 1939.
- ZELLEL, S. M.    Stem blight of blackberry caused by *Haplosporidium deformans*.  
(Abstract)    Phytopathology 29: 829.    Sept. 1939.

## Pennsylvania

- BECHTEL, S. I.    Newer knowledge of feeding dairy cattle.    Pa. Assoc. Dairy  
Sanit. Ann. Rpt. 15(1939): 39-41.    1939.
- CALLENBACH, E. W., and NICHOLAS, J. E.    Effect of three environmental  
variables on growth and sexual development of chickens.    World's Poultry  
Cong. Proc. 7(1939): 89-91.    1939.
- FORBES, E. B.    Nutritional physiology of the adult ruminant.    Science 90:  
270-272.    Sept. 22, 1939.
- MARBLE, D. R.    Results of five years of selection for viability in poultry  
flocks.    World's Poultry Cong. Proc. 7(1939): 46-48.    1939.
- MURPHY, R. R., BOUCHER, R. V., and KNADEL, H. C.    Flavor of turkey meat as  
affected by feeding fishmeal and fish oil.    World's Poultry Cong. Proc.  
7(1939): 542-545.    1939.
- NICHOLAS, J. E.    Latest developments in cooling milk on the dairy farm.  
Jour. Milk Tech. 2: 141-146.    May 1939.
- OTT, W. H., KNADEL, H. C., and BOUCHER, R. V.    Dry skim milk in poultry  
rations. (Abstract)    Poultry Sci. 18: 408-409.    Sept. 1939.
- RUDY, W. J., and MARBLE, D. R.    The interrelationship of physical measure-  
ments of eggs and their effect upon hatchability.    Poultry Sci. 18;  
354-358.    Sept. 1939.
- SWIFT, R. W., and FORBES, R. M.    The heat production of the fasting rat in  
relation to the environmental temperature.    Jour. Nutrition 18: 307-318.  
Sept. 10, 1939.

## Rhode Island

- BRESSLER, I. G.    The human factor in cooperation.    New England Inst. Coop.  
Proc. 11(1938): 5-8.    [1939?]    Mimeographed.
- SMITH, J. B., and DESZYCK, E. J.    Methods for determining magnesium and  
calcium in fertilizers. (Abstract)    Amer. Fert. 91: 24, 26.    Sept. 2, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Rhode Island (Continued)

- SMITH, J. B., and DESZYCK, J. J. Report on manganese in stock feeds. Jour. Assoc. Off. Agr. Chem. 22: 673-676. Aug. 1939.
- WILLARD, D. R., and SMITH, J. B. The calibration of a constant recording illuminometer when the sensitive sampling surface is horizontal. Plant Physiol. 14: 585-598. July 1939.

## South Carolina

- COOPER, H. P. Some problems in adjusting southern agriculture. Natl. Fert. Assoc. Proc. 15(1939): 73-82. 1939.
- WISE, G. H., and ANDERSON, G. W. Factors affecting the passage of liquids into the rumen of the dairy calf. I. Method of administering liquids: drinking from open pail versus sucking through a rubber nipple. Jour. Dairy Sci. 22: 697-705. Sept. 1939.

## Tennessee

- ALLEN, P. W., JACOB, M., SJOLANDER, N. O., McBEE, J. A., and SMILEY, I. H. Legume silage as a feed for poultry. (Abstract) Poultry Sci. 18: 399. Sept. 1939.
- MacINTIRE, W. H. Compatibility of fused rock phosphate with superphosphates. (Abstract) Amer. Fert. 91: 5-6. Sept. 2, 1939.

## Texas

- FLORY, W. S. Uses of root-promoting chemicals: recent advances in growth substances and uses by nurserymen in South. Amer. Nurseryman 70: 5-6. Sept. 15, 1939.
- FRAPS, G. S., and STERGES, A. J. Possible losses of nitrogen from acid soils through the decomposition of nitrites. Soil Sci. 48: 175-181. Sept. 1939.
- GODFREY, G. H. Dealers can control black rot: cabbage disease, seed borne, would be eliminated by proper immersion. South. Seedsman 2: 8, 18. Aug. 1939.
- HILL, H. O. Harvesting buffalo grass seed for individual use. (Note) Jour. Amer. Soc. Agron. 31: 821. Sept. 1939.
- REYNOLDS, E. B. Pastures in the Gulf Coast area: new grasses and legumes find a place in maintaining good grazing conditions. South. Seedsman 2: 15, 19. Aug. 1939.
- SCHMIDT, H. Treatment and prevention of mineral deficiencies. (Abstract) Vet. Med. 34: 584-585. Oct. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Texas (Continued)

- SHEPARDSON, C. N. Economy in milk and cream production - lessons from Europe. Amer. Butter Inst. Proc. 30(1938) v. 1, 8 p. 1939. Processed.
- SHERWOOD, R. M. Vitamin A requirements of poultry. World's Poultry Cong. Proc. 7(1939): 123-126. 1939.
- WARWICK, B. L., and DUNKLE, P. B. Inheritance of horns in sheep: triple alleles in a Dorset-Rambouillet cross. Jour. Heredity 30: 325-329. Aug. 1939.
- WOOD, J. F. How new citrus varieties are developed. Texas Farming and Citriculture 16: 2, 35. Sept. 1939.
- YOUNG, P. A. Tear gas a three-way aid: nematodes, mold and weeds controlled when soil treated with chloropicrin. South.Seedsman 2: 7, 16, Aug. 1939.

## Utah

- MADSEN, D. E., and NIELSEN, H. H. Parturient hemoglobinemia of dairy cows. Jour. Amer. Vet. Med. Assoc. 94: 577-586. June 1939.

## Virginia

- HOEFMANN, F. W. Inducing fruit bud formation. Va. State Hort. Soc., Va. Fruit 27: 14, 16-17. Sept. 1939.
- JOHNSON, E. P., and POLLARD, M. Fowl typhoid in turkey poults. (Abstract) Vet. Med. 34: 600. Oct. 1939.
- JOHNSON, E. P. Present status of fowl leukosis (fowl paralysis). World's Poultry Cong. Proc. 7(1939): 286-288. 1939.

## Washington

- BEARSE, G. E., MILLER, V. L., and McCLARY, C. F. The cannibalism preventing properties of the fiber fraction of oat hulls. (Abstract) Poultry Sci. 18: 401. Sept. 1939.
- BEARSE, G. E., McCLARY, C. F., and MILLER, M. W. The results of eight years' selection for disease resistance and susceptibility in White Leghorns. (Abstract) Poultry Sci. 18: 400-401. Sept. 1939.
- CARVER, J. S., HELLAM, V., ROBERTSON, E. I., and COOK, J. W. Protein requirements of chicks. World's Poultry Cong. Proc. 7(1939): 141-145. 1939.
- HAMILTON, G. M., and SAWYER, C. E. Transmission of erythroleukosis in young chickens. Poultry Sci. 18: 388-393. Sept. 1939.
- HUBER, G. A., BAUR, K. E., and BREAKEY, E. P. The effect of calcium cyanamid on development of apothecia of Sclerotinia fructicola and on population of Taeniothrips inconsequens in prune orchards. (Abstract) Phytopathology 29: 825. Sept. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Washington (Continued)

- HUBER, G. A., and BAUR, K. E. The occurrence of *Sclerotinia fructicola* and *S. laxa* on stone fruits in western Washington. (Abstract) *Phytopathology* 29: 825. Sept. 1939.
- HUBER, G. A. Transmission of black-raspberry mosaic by the cane-feeding aphid, *Amphorophora rubicumberlandi*. (Abstract) *Phytopathology* 29: 825. Sept. 1939.
- ROBERTSON, E. I., CARBER, J. S., BOHREN, B. B., and COOK, J. W. Gross values of combinations of some protein concentrates. (Abstract) *Poultry Sci.* 18: 410. Sept. 1939.
- ST. JOHN, J. L. Report on ash in feeding stuffs. *Jour. Assoc. Off. Agr. Chem.* 22: 628-647. Aug. 1939.
- WILHELM, L. A. Effect of interior quality of eggs on their hatchability. *World's Poultry Cong. Proc.* 7(1939): 191-194. 1939.
- WILHELM, L. A. Factors affecting interior egg quality. *World's Poultry Cong. Proc.* 7(1939): 521-524. 1939.

## West Virginia

- DUSTMAN, R. B., and DUNCAN, I. J. Red color in apples. *Science* 90: 233. Sept. 8, 1939.

## Wisconsin

- ARNOLD, A., and ELVEHJEM, C. A. Influence of the composition of the diet on the thiamin requirement of dogs. *Amer. Jour. Physiol.* 126: 289-298. June 1, 1939.
- BIRD, H. R., OLESON, J. J., ELVEHJEM, C. A., HART, E. B., and HALPIN, J. G. Necessity for an organic dietary factor and for insoluble grit in the development of the gizzard lining in chicks. *World's Poultry Cong. Proc.* 7(1939): 174-177. 1939.
- BOHSTEDT, G. Management of Sudan grass pasture. *Ind. State Dairy Assoc. Ann. Rpt.* 49(1939): 36-49. 1939.
- COLE, L. J. The origin of the domestic pigeon. *World's Poultry Cong. Proc.* 7(1939): 462-466. 1939.
- DICKSON, J. G., SHANDS, H. L., DICKSON, A. D., and BURKHART, B. A. Barley and malt studies. V. Experimental malting of barleys grown in 1937. *Cereal Chem.* 16: 468-480. July 1939. (In Coop. with U. S. Dept. Agr.)
- ELVEHJEM, C. A. Nutritional significance of nicotinic acid. *Collecting Net* 14: 109. Aug. 5, 1939.
- EVANS, R. J., and PHILLIPS, P. H. A study of the comparative toxicity of cryolite fluorine and sodium fluoride for the rat. *Amer. Jour. Physiol.* 126: 713-719. July 1, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Wisconsin (Continued)

- HOLLANDER, W. F., and OWEN, R. D. The carotenoid nature of yellow pigment in the chicken iris. Poultry Sci. 18: 385-387. Sept. 1939.
- IRWIN, M. R. A genetic analysis of species differences in Columbidae. Genetics 24: 709-721. Sept. 1939.
- JACKSON, H. C. Color and its relation to market appeal. Amer. Butter Inst. Proc. 30(1938) v. 1, 7 p. 1939. Processed.
- KEITT, G. W., and CLAYTON, C. N. A destructive bud-transmissible disease of sour cherry in Wisconsin. (Note) Phytopathology 29: 821-822. Sept. 1939.
- KEITT, G. W. Toxicity of the sodium salt of dinitro-o-cresol to *Venturia inaequalis*. Science 90: 139-140. Aug. 11, 1939.
- LEOPOLD, A. S. Age determination in quail. Jour. Wildlife Managt. 3: 261-265. July 1939.
- LEOPOLD, A. A biotic view of land. Jour. Forestry 37: 727-730. Sept. 1939.
- MCCARTER, J., HASTINGS, E. C., and BEACH, B. A. The sensitization of cattle to Mammalian tuberculin. (Abstract) Vet. Med. 34: 593-594. Oct. 1939.
- PHILLIPS, P. H., and ENGEL, R. W. Some histopathologic observations on chicks deficient in the chick antidermatitis factor or pantothenic acid. Jour. Nutrition 18: 227-232. Sept. 10, 1939.
- ROSS, A. F., TOTTINGHAM, W. E., and MAGY, R. Characteristics of the tyrosinase system in potatoes which blacken after boiling. Plant Physiol. 14: 549-557. July 1939.
- SNEEL, E. E., STRONG, F. M., and PETERSON, W. H. Growth factors for bacteria. VIII. Pantothenic and nicotinic acids as essential growth factors for lactic and propionic acid bacteria. Jour. Bact. 38: 293-308. Sept. 1939.
- TOTTINGHAM, W. E. Some aspects of the mineral composition of potato tubers in relation to blackening after cooking. Amer. Potato Jour. 16: 199-203. Aug. 1939.
- WAISMAN, H. A., MICKELSEN, O., and ELVEHJEM, C. A. The distribution of the chick antidermatitis factor (pantothenic acid) in meats and meat products. Jour. Nutrition 18: 247-256. Sept. 10, 1939.
- WEHRWEIN, G. S. The economist's approach to ecology. Jour. Forestry 37: 731-734. Sept. 1939.

## Wyoming

- BEATH, O. A., GILBERT, C. S., and EPPSON, H. F. The use of indicator plants in locating seleniferous areas in western United States. II. Correlation studies by states. Amer. Jour. Bot. 26: 296-315. May 1939.

- o - o - o - o - o - o - o - o - o - o -

TRANSLATIONS RECEIVED IN THE LIBRARYFrom University of California, Division of Plant Pathology

FREDERIKSEN, Th., JØRGENSEN, C.A., and NIELSEN, OLAF. Undersøgelser over kartofflens rodtiltsvamp og dens bekaempelse (The Rhizoctonia disease of the potato and its contro). Tidsskr. for Planteavl. 43(1): 1-64. 1938. Translated by A. Rogne. (Trans. No. 203)

From Iowa State College

MISHUSTIN, E. N. Mikrobakterii, razlagaiushchie tselliulozu (Cellulose-decomposing mycobacteria). Mikrobiologiya [Moscow] 7(4): 427-444. 1938. (English summary on pages 443-444). Translated by Eugene V. Prostov. (Trans. no. 209)

From University of Minnesota, Department of Agriculture

BABONI, N. Anabortina e reazioni allergiche nella diagnosi dell'aborto infettivo dei bovini, II (Anabortine and allergenic reactions in the diagnosis of contagious abortion in cows, Part II). Profilassi (3):65-75. May 1930. Film copy. (Trans. no. 222)

BER, A. Blut- und temperaturuntersuchung bei mit Bang-bazillen infizierten morschweinen und kaninchen. V. Temperaturuntersuchung bei infizierten tieren. (Blood and temperature examination in the case of guinea pigs and rabbits infected with bang bacilli. V. Communication. Temperature examination in the case of infected animals). Arch. Internatl. de Med. Expt. 13: 427-436. June 1938. Film copy. (Trans. no.224)

ERLICH, K. Die bisherigen erfahrungen mit der durchfuhrung des freiwilligen abortus-bekämpfungsverfahrens in der provinz Hannover (The existing practices with the conducting of voluntary abortus-combating methods in the province of Hannover). Deut. Tierärztl. Wchnschr. 46(42): 664-668. Oct. 15, 1938. Film copy. (Trans. no. 219)

KARKADINOVSKY, J. A. Sur la Brucellose des rats gris sauvages (On the Brucellosis of the wild gray rat). Soc. de Biol. [Compt. Rend] 121(15): 1611-1613. 1936. Film copy. (Trans. no. 226)

KARSTEN, F. Die maul- und klauenseuche als hilfsursache der Abortus-Banginfektion (The foot and mouth disease as contributing cause to Abortus-Bang infection). Deut. Tierärztl. Wchnschr. 47: 103. Feb. 18, 1939. Film copy. (Trans. no. 242)

OCARIZ, J., and GILSANZ, L. Investigaciones sobre el diagnostico hormonal de la preñez de la vaca (Investigations about the hormonal diagnostic - the pregnancy of the cow). Inst. de Biol. Anim. Trab. 2: 236-253. 1933-1934. Film copy. (Trans. no. 228)

OPPERMANN, T. Zur frage virusabortes der stuten (Regarding the question of the virus of miscarriage of mares). Zeitschr. f. Infektions Parasitäre Krank. u. Hyg. d. Haustiere 54(1/2): 106-110. Dec. 5, 1938. Film copy. (Trans. no. 229)

RUIZ MARTINEZ, C. Contribution experimental a la profilaxis del aborto epizootico del ganado bovino (Experimental contributions to the prophylaxis of epizootic abortus of cattle). Inst. de Biol. Anim. Trab. 4:128-201. 1936. Film copy. (Trans. no. 230)



TRANSLATIONS RECEIVED IN THE LIBRARY

From University of Minnesota, Department of Agriculture (continued)

SCHRAMM, W. Die trachtigkeitsfeststellung bei der stute durch eine biologische und eine chemische methode (The identification of gestation in the mare by a biological and a chemical method). Ztschr. f. infektionskrank. Parasitäre Krank. u. Hyg. der Haustiere 54(1/2): 69-76. Dec. 5, 1938. Film copy. (Trans. no. 231)

SEELEMAN, M., and WOLF, C. H. Die feststellung der abortus-bang-infektion (Brucellose) des rindes mit hilfe serologischer verfahren. II. Mitteilung. Die schnell-und langsamagglutination mit blut und milch (The identification of Abortus-Bang infection (Brucella) of cattle with the aid of seriological experiment. II. Statement. The rapid and slow agglutination with blood and milk). Ztschr. f. Infektionskrank., Parasitäre Krank. u. Hyg. der Haustiere 54(1/2): 41-43. Dec. 5, 1938. Film copy. (Trans. no. 232)

TRAUB, E. Experimentelle untersuchungen über einen durch taubenpassage veränderten virusstamm der amerikanischen pferden-zephalomyelitis. Zusammenfassung der versuchsergebnisse und schlussfolgerungen (Experimental investigations of a virus strain of the American horse encephalomyelitis transformed by a pigeon passage. Summary of results of experiments and arguments). Zentbl. Bakt. Parasitenk. u. Infektionskrank. 143(1): 21-22. Dec. 1938. Film copy. (Trans. no. 234)

From North Carolina State College:

AUGER, PIERRE. Physique nucléaire: sur les nouvelles particules lourdes du rayonnement cosmique (Nuclear physics: on new heavy particles of the cosmic ray). [Paris] Acad. des Sci. Compt. Rend. 206: 346. January 31, 1938. Translated by S. B. Bledsoe. (Trans. no. 191)

BAUER, A. Ambau von "Flue-Cured"-zigaretten-tabak in USA (The production of flue-cured cigarette tobacco in the United States). Ernähr. der Pflanze 34(13/14): 218-219. July 1938. Translated by J. Michael. (Trans. no. 192)

BEZSSONOFF, NICOLAS and WOLOSZYN, Mme MELANIE. Sur le potentiel d'oxydation-réduction que développement les solutions de la Vitamine C en présence d'oxygene (On the potential of oxidation-reduction that develops in solutions of Vitamin C in the presence of oxygen). [Paris] Acad. des Sci. Compt. Rend. 206: 1885. June 20, 1938. Translated by J. W. Thompson. (Trans. no. 193)

HARTMAN, FRITZ. Einwirkung von alkalien auf feuerfeste steine (Attack on alkalies upon refractories). Stahl u. Eisen 58(37): 1017-1021. Sept 16, 1937. Translated by W. G. Van Nöte. (Trans. no. 194)

---

\*In the two translations listed in the September issue of Agricultural Library Notes as having been received from the University of North Carolina, the names of the translators were inadvertently omitted. The translator of the article by Anatol Heintz was Mr. H. C. Brown, and the translator of the article by Erwin Schnell was Mr. H. Macy (University of Minnesota).

TRANSLATIONS RECEIVED IN THE LIBRARYFrom North Carolina State College (continued)

- KOENIG, PAUL. Tabakpflanze und Kartoffelkäfer (Tobacco plant and potato bug). *Angew. Bot.* 18(1): 76-78. Translated by J. Michael. (Trans. no. 195)
- MAYONE, BARTOLO. La fonction des minéraux dans l'alimentation des animaux domestiques (The function of minerals in the feeding of domestic animals). Rome. Ist. Sper. Zootech., Rapport Spéc., Sect. VI<sup>e</sup> - Theme 2. Production animale. Translated by A. J. Honeycutt. (Trans. no. 197)
- SCHEUNERT, A. and WAGNER, K. H. Weitere untersuchungen über einen angeblichen synergismus zwischen Vitamin B und Vitamin A. III. Mitteilung zum synergismus der vitamins (Further investigations on the so-called synergism between Vitamin B and Vitamin A. III. Contribution to the synergisms of vitamins). *Hoppe-Seylers Ztschr. f. Physiol. Chem.* 256(2/3): 111-121. 1938. Translated by V. Bradshaw Holland. (Trans. no. 198)
- SOUBEYRE-CHATELAIN, Mme ZINA, and BERTON, ALAIN. Chimie physique: spectres ultraviolets d'absorption du système  $\text{MoO}_3$  -  $\text{NaOH}$  en solution diluée (Physical chemistry: ultraviolet absorption spectres of system  $\text{MoO}_3$  -  $\text{NaOH}$  in diluted solutions). [Paris] *Acad. des Sci. Compt. Rend.* 206: 669. Feb. 28, 1938. Translated by A. J. Honeycutt. (Trans. no. 199)
- CAN CARPENHOUT, ERNEST. Sur l'origine des ganglions craniens chez le porc et chez le poulet (On the origin of the cranial ganglion in the pig and in the chick). *Soc. de Biol. [Paris] Compt. Rend.* 118: 1653. March 30, 1935. Translated by E. P. Singsen. (Trans. no. 200)
- VELU, H. and ZOTNER, H. Persistance in loco et réactivation de spores charbonneuses atténuées (Persistence in loco and reactivation of weakened anthrax spores). *Soc. de Biol. [Paris] Compt. Rend.* 122: 256. May 16, 1936. Translated by J. W. Willis. (Trans. no. 201)
- WEINGES, FRANZ. Ausstampfen von hochofengestell und rast mit kohlenstoffmasse (Tamping of hearth and bosh of blast furnaces with carbonaceous material). *Stahl u. Eisen* 56(30): 845-847. 1936. Translated by W. G. Van Note. (Trans. no. 202)

From Oregon State College:

- FISCHER, E. Neue beiträge zur kenntnis der verwandtschaftsverhältnisse der gastromyceten. Eine kritische untersuchung. (New contribution to our knowledge of relationships among gastromycetes. A critical examination). *Ber. d. Schweizer. Bot. Gesell.* 45: 231-247. Aug. 1936. Translated by S. M. Zeller. (Trans. no. 207)
- FISCHER, E. Hypogaeon-studien. I. Die gattung, hystorangium (Hypogaeon study. I. The genus hystorangium). *Ber. d. Schweizer. Bot. Gesell.* 48: 29-44. 1938. Translated by S. M. Zeller. (Trans. no. 208)

TRANSLATIONS RECEIVED IN THE LIBRARY (continued)From West Virginia University:

FRIES, WELLS. Untersuchungen über beis-artige substanzen als wachstumsfaktor für holzerstörende Polyporaceen (Investigations concerning bios-like substances as growth factors for wood-destroying polyporaceae). Svensk Bot. Tidsk. 31(1): 42-45. 1937. Translated by E. A. Marten. (Trans. no. 206)

From U. S. Bureau of Biological Survey

STANKOVIĆ, R., ARNOVLJEVIĆ, V., and MATAVULJ, P. Enzymatische hydrolse des keratins mit dem kropfsafte des astur palumbarius (Habicht) und vultur monachus (Kuttengeier) (Enzymatic hydrolysis of keratin by the crop moisture in Astur Palumbarius and Vultur monachus). Hoppe-Seyler's Zeit. f. Phys. Chemie, 181: 291-300. Apr. 2, 1929. Translated by J. R. Stoiber and P. Knappen. (Trans. no. 210)

From U. S. Soil Conservation Service

TESSIER, L. F. Les étages de végétation et les essences de reboisement dans la région Atlantique de l'Amérique de Nord (Zones of growth and species of reforestation in the Atlantic Region of North America). Rev. des eaux et forêts 24: 261-287. Jan. 1926. Translated by K. Dacy. (Trans. no. 204)

Le SAPINDUS (Sapindus utilis) (The Sapindus (Sapindus utilis). Rev. Hort. de l'Algérie 28(12): 263-268. Dec. 1924. Translated by K. Dacy. (Trans. no. 205)

- o - o - o - o - o - o - o - o - o -

NEW DICTIONARY CATALOG OF THE INTERNATIONAL INSTITUTE OF AGRICULTURE

The Library of the International Institute of Agriculture, Rome, has recently established a dictionary catalog from a partial set of Library of Congress cards received during the past ten years but not previously utilized because of lack of funds. Through a special fund offered by the Rockefeller Foundation in the spring of 1936, and a supplementary fund granted in 1938, it was possible to establish the catalog. Since 1938 the catalog has been available for use by the staff of the Institute and the general public. It is considered a very important aid to scientific research, as it contains numerous titles not found in other catalogs and for books not contained in the Library of the Institute. It supplements the catalog of the Institute, which is classified according to the universal decimal system. In addition, the new catalog serves as an aid to the staff of the library in doubtful cases of cataloging practice, as the library also follows American cataloging methods. From June 1936 to August 1939 a total of 205,000 cards were handled and filed. The catalog contains at present 143 trays and 266 guide cards.

- o - o - o - o - o - o - o - o - o -



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1939\*

## Arizona

Games. 14 p. diagrs. Ariz. Agr. Col. Ext. [1939?] Tucson.  
Mimeographed.

## Colorado

PIERCE, HELEN S. Home canning, fruits. 19 p. illus. (Colo. State  
Col. Ext. Bul. 358-A.) Fort Collins, 1939.  
STOUT, E. N. Suckleya suckleyana, a poisonous plant. 7 p. illus.  
(Colo. State Col. Ext. Bul. 359-A.) Fort Collins, 1939.

## Connecticut

ROLLINS, H. A. Spray program for apple and peach, 1939. 10 p. illus.  
(Conn. State Col. Ext. Bul. 270.) Storrs, 1939.  
WILKINSON, A. E. Summer squash. 4 p. (Conn. State Col. Ext. Bul. 271.)  
Storrs, 1939.  
WILKINSON, A. E. Winter squash. 4 p. (Conn. State Col. Ext. Bul. 272.)  
Storrs, 1939.  
WILKINSON, A. E. The farm hom garden. 8 p. (Conn. State Col. Ext.  
Bul. 273.) Storrs, 1939.  
WILKINSON, A. E. Cauliflower. 12 p. illus. (Conn. State Col. Ext.  
Bul. 274.) Storrs, 1939.  
ROLLINS, H. A. Red raspberry culture in Connecticut. 4 p. (Conn. State  
Col. Ext. Bul. 275.) Storrs, 1939.  
WILKINSON, A. E. Growing early cabbage. 14 p. illus. (Conn. State Col.  
Ext. Bul. 276.) Storrs, 1939.  
KIENHOLZ, R. How to plant forest trees. 4 p. (Conn. State Col. Ext. Bul.  
277.) Storrs, 1939.  
Reprinted with permission of State Forester.  
JONES, R. E. Vaccinate against fowl pox. 4 p. illus. (Conn. State Col.  
Ext. Bul. 278.) Storrs, 1939.  
DAKIN, MARION E. Jellies, jams, and marmalades. 8 p. (Conn. State  
Col. Ext. Bul. 279.) Storrs, 1939.  
MILES, G. A. A poultry primer for 4-H club members and small flock owners.  
104 p. illus. (Conn. State Col. Ext. Bul. 280.) Storrs, 1939.  
STRATTON, GLADYS Long and short term credit. 10 p. illus. (Conn.  
State Col. Ext. Bul. 281.) Storrs, 1939.  
References, p. 10.

---

\* Prepared in the Office of Experiment Stations Library.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1939  
(Continued)

## Delaware

- RICHARDSON, H. L., and MUMFORD, C. W. Electric brooders. 8 p. illus.  
(Del. Univ. Agr. Ext. Bul. 28.) Newark, 1938.
- RICHARDSON, H. L., and Schuster, G. L. Ranges and poultry range shelters.  
Ranges and range shelters for growing chicks. 12 p. illus. (Del.  
Univ. Agr. Ext. Bul. 29.) Newark, 1938.

## Florida

- MILEY, D. G. A summary of 12 dairy farm records, Jacksonville area, for  
the two-year period from July 1, 1937 to June 30, 1939. 25 p. diagr.  
Fla. Univ. Agr. Ext. 1939. Mimeographed.

## Georgia

- DAVIS, R. E. Selection and care of beef cattle in Georgia. 16 p. illus.  
(Ga. Agr. Col. Ext. Bul. 460, rev.) Athens, 1939.
- FANNING, J. W., and FRENCH, K. Life on Georgia's plant-to-prosper farms.  
14 p. illus. (Ga. Agr. Col. Ext. Bul. 472.) Athens, 1939.

## Kansas

- SMURTHWAITE, GEORGINA H. Food production plan for Kansas farmers.  
Reduce food costs by using home-grown foods. 4 p. (Kans. State Col.  
Ext. Circ. 96, rev.) Manhattan, 1939.

## Maryland

- SYMONS, T. B. Twenty-fourth annual report Extension service, University  
of Maryland, for the year 1938. 87 p. illus. Md. Univ. Agr. Ext. [1939]

## Massachusetts

- HARRINGTON, W. C., and SMITH, A. B. Wiring the dairy building. 6 p.  
(Mass. State Col. Ext. Engin. Ext. Ser. 72.) Amherst, 1939.  
Mimeographed.

## Minnesota

- HUSTRULID, A., rev. Farmstead wiring. Original by J. Romness and L. P.  
Zimmerman. 16 p. illus. (Minn. Univ. Agr. Ext. Bul. 179, rev.)  
University Farm, St. Paul, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1939

## Minnesota (continued)

- DVORACEK, D. C., and others. Defects of potatoes caused by handling. 6 p. (Minn. Univ. Agr. Ext. Folder 79.) University Farm, St. Paul, 1939.
- HOWE, O. W. Use of farm maps. 1 p. illus. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 89.) University Farm, St. Paul, 1939.
- IVES, N. Ventilation for animal farm structures. 2 p. illus. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter no. 90.) University Farm, St. Paul, 1939.
- PETERSON, G. L. Changes in banking practices in Minnesota. (Minn. Univ. Agr. Ext. Farm Business Notes no. 201, p. 1-2, diagr. Sept. 1939.) University Farm, St. Paul.

## Nebraska

- FROLIK, E. F. Harvesting and planting native grass seed under Nebraska conditions. 5 p. (Nebr. Agr. Col. Ext. Circ. 116.) Lincoln, 1939. Mimeographed.
- FROLIK, E. F., and KEIM, F. D. Buffalo grass for lawn purposes. 3 p. (Nebr. Agr. Col. Ext. Circ. 122.) Lincoln, 1939. Mimeographed.

## New York

- List of publications issued by the Cornell University Agricultural experiment station and the New York State colleges of agriculture and home economics. 24 p. (N. Y. Agr. Col. (Cornell) Ext. Bul. 47, rev.) Ithaca, 1939.
- COMSTOCK, RUTH B. How to make slip covers. 88 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 415.) Ithaca, 1939.
- BOTSFORD, H. E. Handling eggs for market. 27 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 416.) Ithaca, 1939. References.

## North Carolina

- SCHAUB, I. O., and GOODMAN, J. W. Annual report of Agricultural extension work in North Carolina, 1938. Better living from the farm and on the farm: A report of the North Carolina Extension service for 1938. 34 p. illus. N. Car. Agr. Col. Ext. [1939] State College Station, Raleigh.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1939

(Continued)

Oregon

THOMAS, M. D., and others. Production and income statistics for specialty farm products, Oregon, 1938. 26 p. (Oreg. State Col. Ext. Circ. 334.) Corvallis, 1939.  
Processed.

Puerto Rico

GEIGEL, A. R. Sirviendo al agro: Informe de las actividades del Servicio de Extension Agricola de la Universidad de Puerto Rico, Diciembre 1, 1937 a Noviembre 30, 1938. 51 p. illus. Puerto Rico Univ. [Agr.] Ext. [1939] Rio Piedras.  
Annual report of Extension Service, 1937/38.

Tennessee

HENDRICKS, H. E. Alfalfa in the Tennessee farm program. 8 p. illus. (Tenn. Agr. Col. Ext. Pub. 213.) Knoxville, 1939.  
Small grain in contour furrows on lespedeza sod. 8 p. illus. (Tenn. Agr. Col. Ext. Pub. 214.) Knoxville, 1939.  
SNOW, J. C. Locker refrigeration. 12 p. illus. (Tenn. Agr. Col. Ext. Pub. 215.) Knoxville, 1939.  
HENDRICKS, H. E. Making high quality hay. 8 p. illus. (Tenn. Agr. Col. Ext. Pub. 216.) Knoxville, 1939.  
HENDRICKS, H. E. A pasture program for Tennessee farms. 20 p. illus. (Tenn. Agr. Col. Ext. Pub. 217.) Knoxville, 1939.  
MARTIN, G. E., and GOWDER, M. T. Farming terraced fields. 3 p. illus. (Tenn. Agr. Col. Ext. Pub. 218.) Knoxville, 1939.  
GOWDER, M. T., and MARTIN, G. E. Plowing for terrace maintenance. 3 p. illus. (Tenn. Agr. Col. Ext. Pub. 219.) Knoxville, 1939.  
Blue mold (downy mildew) of tobacco and its control. Report prepared cooperatively by a committee composed of representatives from Duke University, the Agricultural experiment stations and Extension services of Virginia, North Carolina, and South Carolina, and the North Carolina Department of agriculture. 16 p. illus. (Tenn. Agr. Col. Ext. Pub. 221.) Knoxville, 1939.  
HENDRICKS, H. E., and MARTIN, G. E. Greater value from the cotton crop. 4 p. illus. (Tenn. Agr. Col. Ext. Pub. 226.) Knoxville, 1939.  
MARTIN, G. E. Field mechanics of terracing. 16 p. illus. (Tenn. Agr. Col. Ext. Pub. 227.) Knoxville, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1939.

(Continued)

## Texas

- BARRY, MAGGIE W. Cooperative Extension service in Texas: Its objectives and relationships. 16 p. illus. (Tex. Agr. Col. Ext. [Bul.] B-113.) College Station, 1939.
- ROSBOROUGH, J. F., and THORNTON, M. K. Get the most from your garden. 6 p. illus. (Tex. Agr. Col. Ext. [Circ.] C-143.) College Station, 1939.
- Un modelo de la alimentacion en Tejas. 4 p. illus. (Tex. Agr. Col. Ext. [Circ.] C-144.) College Station, 1939.
- "Texas food standard".
- ELLIOTT, NORA E., and others. Starring lamb: Lamb - a year round fresh meat. 6 p. illus. (Tex. Agr. Col. Ext. [Circ.] C-145.) College Station, 1939.
- GIBSON, G. G., and BENTLEY, M. R. Build a safety bull pen. 4 p. illus. (Tex. Agr. Col. Ext. [Circ.] C-146.) College Station, 1939.
- CAMP, JENNIE, and others. Starring tomatoes: It's tomato time in Texas. 6 p. illus. (Tex. Agr. Col. Ext. [Circ.] C-147.) College Station, 1939.
- MILLER, E. A. Sorghum grain growing in steps. 4 p. illus. (Tex. Agr. Co. Ext. [Circ.] C-148.) College Station, 1939.

## Utah

- WADSWORTH, R., and others. Success with canning crops. Proceedings of the third annual school for canning crop growers' and canners' fieldmen. 29 p. (Utah State Agr. Col. Ext. N. S. Circ. 98.) Logan [1939]
- MILLER, ELNA Let's eat Utah apples! 12 p. illus. (Utah State Agr. Col. Ext. N. S. Circ. 100.) Logan, 1939.
- BARROWS, EFFIE S. Practical and speedy cleaning methods. 17 p. illus. (Utah State Agr. Col. Ext. N. S. Circ. 103.) Logan, 1939.
- 25 years of Extension work. Script for remote control broadcast KSL, June 3, 1939, commemorating the twenty-fifth anniversary of the founding of Extension service. Point of origin - Utah State Agricultural College ... 15 p. illus. (Utah State Agr. Col. Ext. N. S. Circ. 104.) Logan, 1939.

## Vermont

- BROOKS, CHARLOTTE P. Suggestions for making 1939 Christmas gifts. 20 p. illus. (Vt. Agr. Col. Ext. Brieflet 532.) Burlington, 1939.
- Mimeographed.
- SOMMERFELD, EDNA Hints on buying neckties. 3 p. illus. (Vt. Agr. Col. Ext. Brieflet 533.) Burlington, 1939.
- Mimeographed.
- SOMMERFELD, EDNA Buying men's work clothes. 9 p. illus. (Vt. Agr. Col. Ext. Brieflet 534.) Burlington, 1939.
- Mimeographed.

- - - - -

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING SEPTEMBER 1939  
(Continued)

Vermont

- GARDNER, ELLA    Good looks through good posture. 13 p. illus. (Vt. Agr. Col. Ext. Brieflet 535.) Burlington, 1939. Mimeographed.  
References, p. 13.
- MILLER, H. I.    The possibilities of beef cattle as a source of Vermont farm income. 12 p. illus. (Vt. Agr. Col. Ext. Circ. 98.) Burlington, 1939.

Virginia

- CAMERON, JANET L.    Canning for the home; plan, plant, preserve, prosper. 49 p. illus. (Va. Agr. Col. Ext. Bul. 128, rev.) Blacksburg, 1939.
- EVANS, R. M.    The philosophy and objectives of the AAA. (Va. Agr. Col. Ext., Ext. Div. News v. 21, no. 11, p. 1-2, 4-5. Sept. 1939.) Blacksburg.

Washington

- DANA, H. J., and MILLER, R. W.    The farm freezing plant and how to use it. 31 p. illus. (Wash. State Col. Ext. Bul. 249.) Pullman, 1939.
- HODGSON, R. E., and others.    Home-grown roughages for dairy cows. 11 p. illus. (Wash. State Col. Ext. Bul. 250.) Pullman, 1939.
- HEGNAUER, L.    Rebuilding wheat lands with grasses and legumes. 4 p. illus. (Wash. State Col. Ext. Circ. 28.) Pullman, 1939.

West Virginia

- HUMPHREYS, GERTRUDE    Being good neighbors. 6 p. illus. (W. Va. Agr. Col. Ext. Adventures in Community Living, Good Living Ser. VII, Lesson no. 9.) Morgantown; [1939]

Wisconsin

- HALPIN, J. G., and others.    Feeding for eggs. 16 p. illus. (Wis. Agr. Col. Ext. Circ. 141, 6th rev.) Madison, 1939.
- MOORE, J. G., and COMBS, O. B.    Home vegetable gardens. 23 p. illus. (Wis. Agr. Col. Ext. Circ. 254, rev.) Madison, 1939.
- TRENK, F. B.    The farm windbreak. 8 p. illus. (Wis. Agr. Col. Ext. Circ. 267, rev.) Madison, 1939.
- MELOCHE, GLADYS    Buying hosiery for the family. 23 p. illus. (Wis. Agr. Col. Ext. Circ. 275, rev.) Madison, 1939.
- CLARK, W. W.    Wisconsin farm progress, 1938 report of the Extension service of the College of agriculture, the University of Wisconsin, Madison. 44 p. illus. (Wis. Agr. Col. Ext. Circ. 293.) Madison, 1939.



-----

SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture

received during September 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Agricultural Adjustment Administration

- An experiment in better nutrition. 1939. 6 p. (CS-85) Issued by Consumers' counsel division. 1.94 Ad422Cs
- Selling credit to consumers. 1939. 6 p. (Cs-64A) Issued by Consumers' counsel division. 1.94 Ad422Cs
- Some tips on making your film strips. 1939. 4 p. Issued by Division of information. 1.94 Ad45Sot

Bureau of Agricultural Chemistry and Engineering

- Beginning of the four regional research laboratories of the Bureau of Agricultural chemistry and engineering... "For industrial utilization of the products of the farm." 1939. 21 p. Processed. 1.9321 A2B39
- Composition of the non-pinene portion of American gum turpentine. By T. C. Chadwick and S. Palkin. 1939. 19 p. 1.932 N2C73
- An experimental turpentine still for use in gum buying and experimental naval stores work. By E. L. Patton. 1939. 4 p. (ACE-2) 1.932 A2Ag8
- Grades and yields of rosin and turpentine from crude gum. By A. R. Shirley. 1939. 3 p. (ACE-5) 1.932 A2Ag8
- How fires start and how they burn. Address by David J. Price, Pennsylvania Firemen's training conference, State College, Pa., Aug. 28, 1939. 9 p. (ACE-7) 1.932 A2Ag8
- Information on dust explosions for the fire service (explanatory material to accompany "true or false" dust explosion statements) 3 p. (ACE-8) 1.932 A2Ag8
- Report of studies on uniformity of quality of sugars. I. Chemical studies of beet sugars collected during the 1938 campaign. By E. K. Ventre and S. Byall. II. Report on biological studies of sugars. By H. H. Hall. 1939. 13 p. (ACE-3) 1.932 A2Ag8
- Rural electric research. By Harry L. Garver. Given before North Atlantic Section, American Society of Agricultural engineers, Farmingdale, Long Island, N. Y., Sept. 13, 1939. 8 p. (ACE-6) 1.932 A2Ag8

---

\*Bibliographies included in general list of bibliographies on page 551.

\*\*For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

-----

SELECTED LIST OF PROCESSED PUBLICATIONS

(Continued)

Bureau of Agricultural Economics

- Agricultural outlook charts. 1940. Beef cattle. Oct. 1939. 23 p. Poultry and eggs. Oct. 1939. 17 p. 1.9 Ec70bc
- An analysis of pertinent social and economic factors affecting land use in Overton county, Tennessee; a study in the southern Appalachians. By John E. Mason and Edward L. K. Gruehn. 1939. 83 p. (Land economics reports no.4) 1.9 Ec76Le no.4
- Assessment of dry-farming and grazing lands in Weld county, Colorado. By Stanley W. Voelker and T. Wilson Longmore. Lincoln, Neb., 1939. 35 p. 1.941 F5As7
- Considering farm adjustments in subarea 33 type of farming area VII, Montana. By Neil W. Johnson. 1939. 34 p. 1.941 L6E98
- The patent situation in the food industries. By A. C. Hoffman. 1939. 34 p. 1.941 M1P27
- Size of farm in relation to family requirements in the northern plains. By T. S. Thorfinnson, F. D. Cronin, and R. B. Hile. (Preliminary) June 1939. 17 p. 1.9 Ec7Sf
- Tenure status and land use patterns in the corn belt. By J. A. Baker, 1939. 65 p. (Land economics reports no. 5) 1.9 Ec76Le

Agricultural Marketing Service

- Fragments from the chalazal end of the cotton seed-their formation and factors affecting extent of presence in ginned lint.. By William S. Smith and Norma L. Pearson. 1939. 35 p. 1.942 G2C82
- Preparation of burley tobacco for market. By Hugh W. Taylor. 1939. 7 p. 1.942 T3B92
- Preparation of fire-cured tobacco for market. By Hugh W. Taylor. 1939. 7 p. 1.942 T3F51
- Reports issued by the Agricultural marketing service. 1939. 57 p. 1.942 A2R29
- U. S. Standards for citrus fruits (effective Sept. 15, 1939) 1939. 15 p. 1.942 F32C49

SELECTED LIST OF PROCESSED PUBLICATIONS

## Agricultural Marketing Service (continued)

U. S. Standards for shelled runner peanuts (effective Sept. 1, 1939). 1939.  
2 p. 1.942 N32P312

U. S. Standards for shelled white Spanish peanuts (effective Sept. 1, 1939)  
1939. 3 p. 1.942 N32P31

## Bureau of Animal Industry

Cold-storage lockers for preserving farm-dressed meat. By K. F. Warner.  
Issued Dec. 1935; revised Mar. 1938; revised July 1939. 19 p. (A. H.  
D. no. 16) Issued by Animal husbandry division. 1.9 An52Ah

Removal of gapeworms from poultry. 1939. 2 p. Issued by Zoological  
division. 1.972 Z2R28

## Bureau of Entomology and Plant Quarantine

Report on a survey in South America of the white-fringed beetle and  
its natural enemies. By Paul A. Berry. 1939. 12 p. (E-487)  
1.9 En33

## Farm Security Administration

Migrant camp recordings. By Margaret Valiant. 1939. 11 p. 1.95 M58

Selection and use of water softeners and soap. 1939. 9 p. Issued by  
Resettlement division, Cooperative section. 1.95 Se4

Study conference for Farm security professional workers, Tuskegee insti-  
tute, Alabama, Oct. 2-14, 1939. 12 p. 1.95 St9

## Forest Service

The ABC of forestry; study suggestions to accompany motion picture of  
same title. 11 p. 1.962 A2Ab2

American woods. Lodgepole pine (*Pinus contorta*). By H. S. Betts.  
1939. 6 p. 1.9 F76Am

American woods. Red gum (*Liquidambar styraciflua*) By H. S. Betts.  
1939. 9 p. 1.9 F76Am

Artificial resin glues for plywood. July 1939. 3 p. Issued by Forest  
products laboratory, Madison, Wisconsin. 1.9 F76Arg



SELECTED LIST OF PROCESSED PUBLICATIONS

## Forest Service (continued)

- Casein glues: their manufacture, preparation, and application. July 1939. 11 p. Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761Gc
- Forest resources of the northern coastal plain of South Carolina. A progress report by E. B. Faulks. 1939. 30 p. (Forest survey release no. 1) Issued by Appalachian forest experiment station, Asheville, N. C. 1.9622 A3F76
- Forest resources of the Piedmont region of South Carolina. A progress report by W. T. Hicks. 1939. 31 p. (Forest survey release no. 2) Issued by Appalachian forest experiment station, Asheville, N. C. 1.9622 A3F76
- The national forests and field offices of the United States Forest service. 1939. 12 p. 1.9 F76Nat
- Preservation of timber by the steeping process; revised, August, 1939. By R. M. Wirka. 1939. 9 p. Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761Prt
- Site index curves for plantation black locust. Central states region. By L. F. Kellogg. 1939. 2 p. (Station note no. 36) Issued by Central states forest experiment station, Columbus, Ohio. 1.9 F76232S
- Site index curves for plantation black walnut. Central states region. By L. F. Kellogg. 1939. 2 p. (Station note no. 35) Issued by Central states forest experiment station, Columbus, Ohio. 1.9 F76252S
- Timber supplies, growth, and depletion in three Lake states. Preliminary statistics and analysis of data obtained from Forest surveys and other economic studies. 1939. 12 p. (Economic note no. 11) Issued by Lake states forest experiment station, St. Paul, Minnesota. 1.9 F7625E
- Treating wood for protection and service. By George M. Hunt. Sept. 1938. 5 p. (R 1211) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F 761R
- Wood plastics as developed at the Forest products laboratory and their future importance. By E. C. Sherrard and others. 1939. 5 p. (R 1210) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761R

- - - - -

SELECTED LIST OF PROCESSED PUBLICATIONS

Food and Drug Administration

Flavoring extracts under the Federal Food, Drug, and Cosmetic act. 1939.  
10 p. 1.981 A2F61

Outlines for instruction in tomato microscopical methods. By B. J. Howard,  
Microanalytical division. Issued Mar. 1, 1928; revised Dec. 1, 1937,  
and reprinted Sept. 1939. 15 p. 1.981 M2Ou8

Bureau of Home Economics

Home-made confections. 1939. 10 p. 1.982 F2H751

Division of Marketing and Marketing Agreements.

Economic statistics relating to the California grape industry. Com-  
piled by Donald R. Rush, Economic analysis unit. Aug. 1939. 14 p.  
Issued by General crops section. 1.944 G2Ec7

Production of dried-egg products in 1938. 1939. 2 p. Issued by Poultry  
Section. 1.944 P2P94

U. S. commercial hatcheries show large capacity increase. 1939. 2 p. Issued  
by Poultry section. 1.944 P2Un3

Bureau of Plant Industry

Results from the cooperative coordinated oat breeding nurseries for 1938  
and the uniform winter-hardiness nurseries for 1938-39. 100 p.  
Issued by the Division of cereal crops and diseases. 1.9 P6917 Rf

Officer of the Solicitor

Administrative procedure and practice in the Department of agriculture  
under the Commodity exchange act. Prepared under the direction of  
Mastin G. White by Ashley Sellers. 1939. 92 p. 1.9 So 45Ac

Soil Conservation Service

Soil conservation service directory. 1939. 9 p. 1.96 Ad6Fd

- o - o - o - o - o - o -

LAND PLAYS NEW ROLE IN RURAL FICTION

By Caroline B. Sherman, Agricultural Economist,  
Bureau of Agricultural Economics, U. S. Department of Agriculture

Clear-headed analysis uncolored by predilections might be said to mark our present-day fiction involving the land. Without sentiment, even though they may work with fervor, the authors look at the land in its relation to people, and grapple with the problems that the combination develops. They see the land no longer as necessarily an ally of the farming family but as an element in living that may cause endless difficulty if understanding of the soil and tolerance among men are not a part of the association.

Take John Steinbeck's much-discussed Grapes of Wrath, for instance. Neither situations nor characters are sentimentalized. Much of the conversation would have been considered unprintable a few years ago. These are real people of a rather primitive type from dust bowl, drought, and foreclosures. But they face strictly modern dilemmas on their farms, on the roads, in California - dilemmas to be compared only to nightmares. And, uncouth and inadequate as these people are shown to be, they awaken the concern of vast numbers of readers - a concern that, even without the aid of the more technical book on the same subject that followed, might well have led to public action. Incidentally, the woman of the Joad family adds one more to the pageant of stalwart farm women who have frequently added notable strength to our rural fiction.

Sight is trained squarely on today, among most of the rural novelists. Almost coincident with the turning of the official spotlight on the problems of the tenants and the sharecroppers come an avalanche of books about them including Erskine Caldwell's Tobacco Road, Paul Green's This Body the Earth, David Cohn's God Shakes Creation, Arnette Heard's Return Not Again, W. G. Lee's River George, and Charlie May Simon's The Share-cropper. Chief among the more recent are Charles Curtis Manz's Land Without Moses in which a hopeless story is told of disintegrating forces that annihilate a share-cropping family while a yearning boy who grows up determined to be different is broken by conditions, and Harry Harrison Kroll's autobiographical I Was a Share-cropper which does show that escape can be made at least in rare instances.

These books about tenure are not a sporadic phenomenon. Tenancy made a fairly early entrance in rural fiction when Elizabeth Madox Roberts wrote Time of Man and when Dorothy Scarborough was writing of the Texas farms, perhaps a decade ago. But they were rare instances whereas at the present time the theme is dominant.

Dust bowl tragedies are typified in The Tree Falls South, wherein Wellington Roe wrestles with drought and foreclosures, and their relation to State and Nation. The present-day perplexities of our Indian citizens always trace to the land, sooner or later, as suggested in Edwin Carlo's People on the Earth and John Louw Nelson's Rhythm for Pain.



LAND PLAYS NEW ROLE IN RURAL FICTION  
(continued)

Pioneering or "making" land, once the chief theme in rural fiction, still has a place among the new volumes, but authors now are more likely to write of pioneering in newer areas than the Midwest, or to look upon the pioneering with a more penetrating eye and to write of conditions, people, and events as they really were. And we have learned to take it. It is probable that at one time we were prone to think of all pioneers as heroes in homespun. If so, novelists have done a service in reminding us that it has taken all kinds to develop America. Vardis Fisher was one of the first to emphasize this fact and he had hard going with eastern publishers, although now he carries off a coveted prize with his story of the trek of a whole people to a new land in Children of God. Mari Sandoz gave impetus to this movement, with her disillusioning biographical book Old Jules, and then with Slocum House which shocked some readers quite as much as does Grapes of Wrath and with perhaps less justification for so doing. This year Meredith Furnas produces a land-greedy woman character in The Night is Coming who suggests the awful one created or recreated by Miss Sandoz. Another early experimenter in this more realistic rural writing was H. L. Davis with his Honey in the Horn which took many readers distinctly by surprise; and he was one of the first to choose a recently-developed country for his story of pioneering.

Among the newer areas developed under our eyes in recent fiction is the San Joaquin Valley of California, the background of May Miller's First the Blade. In Trumpets Calling by Dora Aydelotte, a family of five natural-born pioneers homesteaded on the Cherokee Strip. In The Quiet Shore by Walter Havighurst a shore of Lake Erie passes from swampland, through drainage and cultivation, through the prosperous farming era, and now experiences the encroachment of the utilities and the vacationists, all told in relation to one family. Sophus Keith Winther still writes of the Midwest, but the hopefulness of a pioneer immigrant Danish family that made its farm in an earlier book changes gradually in Wort for your Heart and in This Passion Never Dies. Rose Wilder Lane's latest book reads in places like the adventurous earlier rural novels but it clearly exposes the irony of Free Land in the Dakotas which breaks the hearts but not the courage of the indomitable young couple who were determined to homestead rather than buy a farm near home as urged by their parents.

But our current fiction of the land is not all hard-boiled. Genuine knowledge of different kinds of land in the Dakotas and their different kinds of uses is evident in Horace Kramer's Marginal Land. This book demonstrates that a viable story can be told without grossness, and that apparently a man can go native without losing the finer characteristics of mind and spirit. "This is the perfect democracy," the leading character thought to himself as he gradually found complete adjustment to the new country and its people.

Then a few years ago Lyle Saxon wrote the very appealing and sensitive story called Children of Strangers in which a colony of French mulattoes, who have always been free, maintain a constant but hopeless struggle to hold their land and other heritages on an island in the Mississippi.

LAND PLAYS NEW ROLE IN RURAL FICTION

(continued)

Again the River, by Stella Morgan, does not sound like a tale of the land but it may hold suggestions for those who are working with the problems of removing families for their own good. In this book a little group of persistent people insist upon living on the edge of a river that is given to periodic overflow. Three times they are dispossessed with tragic attendant circumstances but each time they return to their doomed acres. No place can seem like home to them unless it is at the foot of the hills and on the brink of the water.

In their zeal to explore and understand the conditions under which the rural underprivileged live and work, our novelists naturally center attention on them, often setting their story forth with dramatic intensity. Only one paragraph in Land Without Moses, for instance, suggests the fact that landlords, too, have their problems and perplexities and are sometimes the victims of antiquated or predatory systems. In The Garden of Agonis, Caroline Gordon attempts to examine the conflicting lives of the plantation owner, the sharecropper, and the industrialist, in relation to their economic interdependence and emotional outlook. The outcome may not be completely successful but her use of the baffling theme is certainly an advance in a fair, just, and desirable direction.

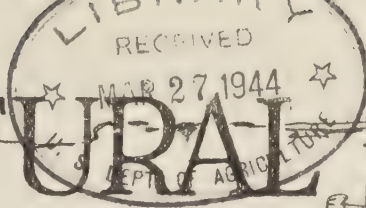
Striking as the newer tendencies in rural fiction may be, yet it is true that forerunners can be cited in most of the phases. For while the earlier novels were concerned almost exclusively with the epic qualities of expansion in the Middle West, for some two decades now rural fiction has kept abreast of rural America. And make no mistake about those earlier rural novelists. Willa Cather and O. E. Rolvaag, although devoting themselves to pioneer themes, were realistic for that day and were among the first to prove to a skeptical public that American farms could furnish material for genuine and rich fictional literature. Rural fiction is deeply indebted to them and to Sarah Orne Jewett who wrote so simply of her Maine surroundings and who first stimulated Miss Cather to write of subjects close at home. And when Ellen Glasgow made her brilliant early entrance in this field, she used wornout Virginia farms as her locale. Theirs are among the classics of all American fiction in quality, comprehension, and craftsmanship. They opened the rural way, and the resulting harvest has surpassed the expectations of even those who have followed rural fiction with the closest interest.

Present novelists are more concerned with reality of effect than with a finished product. That they are contending with harsh and knotty problems that are as yet unsolved, and that at times seem unsolvable, is perhaps reason enough. There are those who believe that in these times of stress and change an ability to see with penetrating eye and to reconstruct the truth thus seen with imagination and effectiveness may be more valuable for the moment than finished craftsmanship. But it is hoped that as the best of these writers ponder more deeply on what they see, realize its implications in all directions, and become more experienced in working with these vigorous subjects, they will develop something approaching a genuine style - for their themes are great, and they know it.





612a  
cop. 4



# AGRICULTURAL LIBRARY NOTES

## CONTENTS

Vol. 14

November 1939

No. 11

Principal Library Accessions.....	601
Translations received in the Library.....	612
Bibliographies and Lists.....	613
Articles by U. S. Department of Agriculture Workers appearing outside the Department.....	614
Articles by State Agricultural Experiment Station Workers.....	623
List of State Extension Publications.....	638
Literature Service for Chemists.....	644
Notes on Periodicals.....	645
Exchanges.....	646
Selected List of Processed Publications of the U. S. Department of Agriculture.....	647
Unclaimed Books.....	651

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
  
WASHINGTON  
D. C.



# AGRICULTURAL LIBRARY NOTES

Vol. 14

November 1939

No. 11

## PRINCIPAL LIBRARY ACCESSIONS\*

### Agricultural Machinery

JONES, M. M. Farm shop practice. New York, McGraw-Hill, 1939. 58 J72F

### Agriculture

GRASSLAND-CONFERENCE. 3d, Zürich, 1934. Exkursionsführer für den III.

Gründlandkongress der nord- und mitteleuropäischen länder, juli

1934. Zürich, Art. institut O. Füssli [1934?] 33.21 G76

NANNESON, L., and others. Science and cooperation in Swedish agriculture.

Stockholm, Hasse W. Tullberg, 1939. 33.11 M15

### Bacteriology

CHALMERS, C. H. Bacteria in relation to the milk supply. Ed. 2. London,

Arnold, 1939. 448.2 C352 Ed. 2

GILDEMEISTER, E., and others. ed. Handbuch der viruskrankheiten mit besonderer  
berücksichtigung ihrer experimentellen erforschung. Jena, Fischer, 1939.

448.2 G38

SEIFFERT, G. Virus und viruskrankheiten bei menschen, tieren und pflanzen.

Dresden, Steinkopff, 1938. (Wissenschaftliche forschungsberichte. Natur-  
wissenschaftliche reihe, bd. 46) 448 Sc43

### Biography

POWELL, L. C., ed. H. Clark Powell, 1900-1938: memoirs of his life and a

bibliography of his writings. Los Angeles, W. Ritchie press, 1939. 120 P872

### Biology

BUCHNER, P. Symbiose der tiere mit pflanzlichen mikro-organismen. Ber-

lin, de Gruyter, 1939. (Sammlung Götschen, bd. 1128) 442 B853S

MILLER, D. V. and BLAYDES, G. W. Methods and materials for teaching biological  
sciences. New York, McGraw-Hill, 1938. 442 M61

### Botany

BAWDEN, F. C. Plant viruses and virus diseases. Leiden, Chronica botanica, 1939.

(New series of plant science books, ed. by Frans Verdoorn. vol. 5)

464.32 B32

BRAZIL. SERVIÇO DE PLANTAS TEXTÉIS. O caroa, pelo agrônomo João Henriques.

Rio de Janeiro, 1938. 73.5 B73C

---

\*Requests which are sent to the Library for the loan of items in this list  
should include the call number following the entry.



PRINCIPAL LIBRARY ACCESSIONS

## Botany (continued)

- HACKBARTH, J. Kaiser-Wilhelm-institut für züchtungsforschung, Müncheberg (Mark). Berlin, Kaiser-Wilhelm-instituts, 1936. 451.1 H11
- HORNIBROOK, M. Dwarf and slow-growing conifers. Ed. 2. London, Country life ltd., 1938. 452.3 H78 Ed. 2
- INGOLD, C. T. Spore discharge in land plants. Oxford, Clarendon press, 1939. 463.36 In4
- JONES, S. G. Introduction to floral mechanics. London, Blackie, 1939. 463.42 J72
- MAKINS, F. K. The identification of trees and shrubs. London, Dent, 1936. 458 M28
- MIEGE, É. Les cultures complémentaires au Maroc. Casablanca, L'Imprimerie française, 1938. 452.8 M58
- STEWART, S. A., and CORRY, T. H. A flora of the north-east of Ireland. Ed. 2. Belfast, Quota press, 1938. 458 St4 Ed.2
- VERMONT BOTANICAL CLUB, Burlington. The flora of Vermont. Ed. 3. Burlington, Free press, 1937. 455.38 V59 Ed.3

## Chemistry

- BRENNECKE, E. Schwefelwasserstoff als reagens in der quantitativen analyse. Stuttgart, Enke, 1939. (Die chemische analyse, bd. 41) 387 M33 bd. 41
- EVANS, R. C. An introduction to crystal chemistry. Cambridge, Eng., University press, 1939. 386 Ev1
- HAGGLUND, E. Holzchemie. Ed. 2. Leipzig, Akademische verlagsgesellschaft, 1939. 387.1 H12H Ed.2
- MELLAN, I. Industrial solvents. New York, Reinhold, 1939. 388 M482
- MELLOR, J. W. Modern inorganic chemistry, revised. New York, Longmans, 1939. 386 M485M 1939
- OPPENHEIMER, K., and STERN, K. G. Biological oxidation. The Hague, Junk, 1939. 386.2 Op5B1
- OTTO, R., and others, ed. Chemie und physiologie des eiweisses. Dresden, Steinkopff, 1938. (Frankfurter konferenzen für medizinisch-naturwissenschaftliche zusammenarbeit. III. konferenz) 386.2 Ot82
- WEISER, H. B. Colloid chemistry. New York, Wiley, 1939. 386 W433C

## Colonization

- BALLERSTEDT, K. Gegenwartsfragen der ländlichen siedlung in Posen und Pommerellen. Berlin, Deutsche landbuchhandlung, Sohnrey, 1938. 282.2 B21
- KOENIG, S. Immigrant settlements in Connecticut. Hartford, Connecticut State dept. of education, 1938. 282.2 K83

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Commerce

- GEORGE WASHINGTON UNIVERSITY, Washington, D. C. INTER-AMERICAN CENTER.  
Can the United States retain Latin American trade and cultural relations against German, Italian, and Japanese competition? Washington, 1939. 286 G292
- GT. BRIT. BOARD OF TRADE. Anglo-Greek guarantee agreement, 12th July 1939; relating to guarantees in connexion with the export to Greece of goods manufactured in the United Kingdom. London, 1939. (Parliament. Papers by command. Cmd. 6072) 286 G7922A
- GT. BRIT. BOARD OF TRADE. Anglo-Polish guarantee agreement, 2nd August 1939; relating to guarantees in connexion with the export of goods from the United Kingdom to Poland. London, 1939. (Parliament. Papers by command. Cmd. 6093) 286 G7922Ap
- GT. BRIT. BOARD OF TRADE. Trade agreement between His Majesty's government in the United Kingdom and the government of India. London, March 20, 1939. London, 1939. (Parliament. Papers by command. Cmd. 5966) 286 G7922T
- GT. BRIT. DOMINIONS OFFICE. Trade discussions between United Kingdom ministers and the Honourable Walter Nash, the New Zealand minister of finance and customs, July 12, 1939. London, 1939. (Parliament. Papers by command. Cmd. 6059) 286 G7963
- SOUTH AFRICAN FOOD CANNERS' COUNCIL, Inc. The South African canned fruit, jam, canned vegetables and dried fruit industries. Cape Town, 1938. (Information bulletin. Special statistical issue, July 1938) 286 So85

Dairying

- DAVIES, W. L. The chemistry of milk. Ed. 2. London, Chapman & Hall, 1939. (A series of monographs on applied chemistry, v. 10) 44 D28 Ed. 2
- TOTMAN, C. C., and others. Butter. Ed. 4. New York, Wiley, 1939. 44 T642 Ed. 4

Domestic Animals

- ECKLES, C. H. Dairy cattle and milk production. Ed. 3. New York, Macmillan, 1939. 43 Ec5 Ed. 3
- WINTERS, L. M. Animal breeding. Ed. 3. New York, Wiley, 1939. 40 W73 Ed. 3

Economics

- BASTIAT, F. Fallacies of protection. Translated from the 5th edition of the French by P. J. Stirling. New York, Putnam, 1909. 285 B29F
- BUFFALO FOUNDATION. BUREAU OF STUDIES AND SOCIAL STATISTICS. Heat and light. Buffalo, 1937. (Foundation bulletin, November, 1937) 284.4 B862

PRINCIPAL LIBRARY ACCESSIONS

## Economics (continued)

- BURLEY, O. E. The consumers' cooperative as a distributive agency.  
New York, McGraw-Hill, 1939. 280.2 B92
- COBDEN CLUB. A history of the Cobden club. London, Cobden-Sanderson, 1939.  
280.9 C63
- CRAWFORD, K. C. The pressure boys, the inside story of lobbying in America.  
New York, Messner, 1939. 280.12 C852
- ELDRIDGE, S. The development of collective enterprise. [Lawrence? Kans.]  
University of Kansas, 1938. 280.12 E12
- FRAZIER, E. F. The negro family in the United States. Chicago, University  
of Chicago press, 1939. 280.12 F862
- GILL, C. Wasted manpower. New York, Norton, 1939. 283 C41
- GOSLIN, O. P., and GOSLIN, R. Our town's business. New York, Funk & Wagnalls,  
1939. 280.12 G692
- GOSLIN, Mrs. R. C. A. Don't kill the goose. New York, Harper, 1939.  
280.12 G69D
- GT. BRIT. COLONIAL OFFICE. Palestine. Statement of policy. London, 1939.  
(Parliament. Papers by command, Cmd. 6019)  
280.185 G792 1939
- KOREA. GOVERNMENT-GENERAL. Chosen industry leaps ahead. [n.p., Taisho  
Shaskin Kogeisho] 1938. 280.183 K84
- LAUFENBURGER, H. L'intervention de l'état en matière économique. Paris,  
Librairie générale de droit et de jurisprudence, 1939. (L'Economie  
politique contemporaine, v. 4) 280 L362
- LEAGUE OF NATIONS. SECRETARIAT. INFORMATION SECTION. Towards a better  
economic world. Geneva, 1939. (League of nations questions 11)  
280.3 L476
- MACFADDEN PUBLICATIONS, Inc., DIVISION OF MARKETING AND RESEARCH. Family  
incomes and expenditures, no.1-2. [New York?] 1938. 280.12 M16
- MACHINERY AND ALLIED PRODUCTS INSTITUTE. Machinery and the American  
standard of living. Chicago, 1939. 280.12 M18M
- MARYLAND. COMMITTEE ON THE STRUCTURE OF THE MARYLAND STATE GOVERNMENT.  
Report. Baltimore, 1938. 280.037 M36
- NORWAY'S EXPORT TRADE. Oslo, Blix publishing co. [1939?] 280.173 N83
- ROOSEVELT, H. Wanted: good neighbors, the need for closer ties with Latin  
America. New York, National foreign trade council, 1939. 280 R673
- SASKATCHEWAN. SELECT SPECIAL COMMITTEE ON FARM IMPLEMENT PRICES AND  
DISTRIBUTION. Report, March 27, 1939. Regina, 1939. 284.3 Sa7
- SMITH, T. V., and TAFT, R. A. Foundations of democracy. New York, Col-  
umbia university press, 1939. 280.12 Sm6
- SOCIÉTÉ BELGE D'ÉTUDES ET D'EXPANSION, Liège. Oeuvre de collaboration  
internationale, de documentation, et de vulgarisation économique et  
coloniale, personnification civile. Liège [1937?] 280.9 Sol24
- WITHERS, H. The defeat of poverty. London, Cape, 1939. 280 W77
- YOUNG, Mrs. P. V. Scientific social surveys and research.  
New York, Prentice-Hall, 1939. 280 Y86



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Economics, Agricultural

- ABRAMS, C. Revolution in land. New York, Harper, 1939. 282 Ab8
- ALBANY MILK CONFERENCE. Albany, N.Y., 1939. A record of proceedings, January 17, 1939. [Albany?] 1939. 281.3449 A11
- ARENSBERG, C. M. The Irish countryman. London, Macmillan, 1937. 281.2 Ar3
- BRANNEN, C. O. Adjusting agriculture and services to the needs of farm people. Presidential address at the 20th annual meeting of the South-western social science association, Dallas, Texas, April 7, 1939. [n.p., 1939] 281.12 B732
- CONVENCIÓN NACIONAL DE CULTIVADORES DE PIÑA. 1st, Mexico, 1937. Memoria. Mexico, Secretaria de agricultura y fomento. Consejo nacional de agricultura, 1938. 281.3939 C76001
- DEMANGEON, A. Documents pour servir à l'étude des étrangers dans l'agriculture française. Paris, Hermann, 1939. 281.174 D39
- EMPIRE ECONOMIC UNION. Agricultural policy past, present and future. London, Anchor press, 1939. 281.171 Em7
- GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Agricultural development bill; assistance to barley growers. London, 1939. (Parliament. Papers by command. Cmd. 6077)
- GRIMM, W. O. Die wolle und ihre verarbeitung von der farm bis zur kämmerei (rohvolle, provenienzen, kämmerei). Hannover, Schaper, 1938. 281.345 G88
- NEWFOUNDLAND. Papers relating to a long range reconstruction policy in Newfoundland. v.l. St. John's, Nfld., Long brothers, 1938. 281.134 N45
- PEÑA, M. T. de la. Planeacion del credito ganadero. Mexico, Banco national de credito agricola, 1938. 284.2 P37
- SANDERSON, E. D., and POLSON, R. A. Rural community organization. New York, Wiley, 1939. 281.2 Sa52Rc
- SOUTH AFRICA. The agricultural position and the government's proposals in regard thereto. [Capetown?] Cape times ltd., 1939. 281.193 So83
- TEAGUE, H. W. Forward into rural America. New York, National council of the Protestant episcopal church [1938?] 281.2 T22
- WUTZ, A. T. Alpenländische milchwirtschaft. Berlin, Reichsnährstand verlags, 1932. (Schriftenreihe der Studiengesellschaft für nationalökonomie e.v., Institut für bäuerliche rechts- und wirtschaftsordnung. Reihe B, Deutsche und fremdvölkische landwirtschaft bd.1) 281.344 W96

Education

- EMBREE, E. R. Julius Rosenwald fund, review of two decades, 1917-1936. Chicago, 1936. 275.9 J94J

-----  
PRINCIPAL LIBRARY ACCESSIONS

Education (continued)

- MINNESOTA. UNIVERSITY. GENERAL COLLEGE. Report on problems and progress of the General college. Minneapolis, 1939. 276 M666  
 NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. COMMITTEE ON THE ECONOMIC STATUS OF THE RURAL TEACHER. The economic status of rural teachers. Washington, 1938. 275 N2114E

Electricity

- FINK, D. G. Engineering electronics. New York, McGraw-Hill, 1938.  
 335 F49

Entomology

- BRIGHT, P. M. and LEEDS, H. A. A monograph of the British aberrations of the chalk-hill blue butterfly *Lysandra coridon* (Poda, 1761). Bournemouth, Richmond Hill printing works, 1938. 430 B76  
 HEINEN, W. Agrion. Berlin-Lichterfelde, Bermühler, 1938. 432 H362  
 HUNTER, Mrs. L. Domestic pests. London, Bale & Curnow, 1938. 423 H912  
 METCALF, C. L., and FLINT, W. P. Destructive and useful insects. Ed. 2. New York, McGraw-Hill, 1939. 423 M563 Ed. 2  
 ROEPKE, W. *Rhopalocera javanica*. pt.3. Wageningen, Veenman, 1938. (Fonds landbouw export bureau. Wageningen. Publicatie no. 22)  
 430 R622R  
 SCHUURMAKS STEKHOVEN, J. H. Fledermausausfliegen aus Niederländische Ost-Indien. 's-Gravenhage, Nijhoff, 1938. (Capita zoologica. v.8, pt.4) [With this are bound: Klie, W. Ostracoden aus den marinen salinen von Bonaire, Curaçao und Aruba; Nilsson-Cantell, C. A. Recent and fossil balanids from the north coast of South America; Engel, H. Echinoderms from Aruba, Curaçao, Bonaire and northern Venezuela] 428 Sch82F  
 STOKOE, W. J. Butterflies and moths of the wayside and woodland. London, Warne, 1939. 430 St6B

Ethnology

- REDFIELD, R. and Villa R., A. Chan Kom, a Maya village. Washington, Carnegie institution of Washington, 1934. (Carnegie institution of Washington. Publication no. 448) 446 R242

Fertilizers

- AUSTRALIAN FERTILIZERS, limited. Revitalizing coastal grasslands. Sydney, Marchant, 1939. 57.7 Au7  
 PARRISH, P., and Ogilvie, A. Calcium superphosphate and compound fertilisers. London, Hutchinson, 1939. 57.24 P24C

PRINCIPAL LIBRARY ACCESSIONS

(continued)

## Field Crops

- MIEGE, E. Méthodes de diagnostic spécifique dans le genre "Triticum". Alger, Société historique algérienne [1939?] 59.26 M5841  
WELLER, K. Der grassanbau. Berlin, Reichsnährstand, 1936. (Arbeiten des Reichsnährstandes. bd. 7)

## Finance

- CROUCH, W. W. State aid to local government in California. Berkeley, University of California press, 1939. (Publications of the University of California at Los Angeles in social sciences. v. 6, no. 3, p. 223-421) 284.088  
HARDY, C. O. Odd-lot trading on the New York stock exchange. Washington, Brookings institution, 1939. (The Institute of economics of the Brookings institution. Publication no. 78) 284 H220

## Food, Nutrition

- AMERICAN MEDICAL ASSOCIATION. The vitamins. Chicago, 1939. 389.1 Lm35  
GT. BRIT. MINISTRY OF HEALTH. Food and drugs act, 1938. London, 1939. 389.55 G793  
LEAGUE OF NATIONS. HEALTH ORGANIZATION. TECHNICAL COMMISSION ON NUTRITION. Guiding principles for studies on the nutrition of populations. By E. J. Bigwood. Geneva, 1939. (Series of League of nations publications. III. Health, 1939. III. I.) 389.1 L4732  
MACK, Mrs. P. G. B., and SMITH, J. M. Methods of conducting mass studies in human nutrition. State College, Pa., 1939. (Pennsylvania State college studies. Study no. 4) 389.1 M192  
URUGUAY. MINISTERIO DE INSTRUCCIÓN PÚBLICA Y PREVISIÓN SOCIAL. Instituto de alimentación científica del pueblo. Montevideo, 1938. 389.9 Ur8

## Forestry

- GEORGIA. DEPT. OF NATURAL RESOURCES. DIVISION OF FORESTRY. Georgia's forests and their development. [Atlanta?, 1937?] 99.61 G29  
HABERT, H. Holzschutz und holzveredelung. Berlin, Elsner, 1938. 99.77 H11  
SOUTH CAROLINA. STATE COMMISSION OF FORESTRY. The cutting and selling of pine pulpwood. Charleston, 1938. 99.75 So8

## Genetics

- STURTEVANT, A. H., and BEADLE, G. W. An introduction to genetics. Philadelphia, Saunders, 1939. 443 St96



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Geography, Economic

LANDON, C. E. Industrial geography. New York, Prentice-Hall, 1939. 278 L23

History, Agricultural

PHILADELPHIA SOCIETY FOR PROMOTING AGRICULTURE. Sketch of the history of the Philadelphia society for promoting agriculture. [Philadelphia?], 1939. (Memoirs, v. 6) 3 P53 v. 6

Home Economics

AMERICAN HOME ECONOMICS ASSOCIATION. COMMITTEE ON STANDARDIZATION OF CONSUMERS' GOODS. Scientific consumer purchasing. Washington, American association of university women, 1939. (Social studies series) 321 Am322 1939

Horticulture

DAWSON, R. B. Practical lawn craft. London, Lockwood, 1939. 97.6 D32  
MEXICO. SECRETARIA DE AGRICULTURA Y FOMENTO. DEPARTAMENTO DE DEFENSA AGRICOLA. "El chamusco del platano." Tapachula, Chis., 1939. 93.42 M572  
QUINT, I. G. Lilies in the garden. Garden City, N. Y., Doubleday, Doran and co., 1936. 96.46 Q4L  
ROYAL HORTICULTURAL SOCIETY, London. Ornamental flowering trees and shrubs. London, 1938. 97.31 R81  
ROYAL HORTICULTURAL SOCIETY, London. TULIP NOMENCLATURE COMMITTEE. A classified list of tulip names. London, 1939. 96.49 R81C  
SLATE, G. L. Lilies for American gardens. New York, Scribner's, 1939. 96.46 S11

Hydroponics

CONNORS, C. H., and TIEDJENS, V. A. Chemical gardening for the amateur. New York, Wise, 1939. 90.15 C76

Hygiene

KENDRICK, J. F. Public health in the state and counties of Virginia. Richmond, 1939. (Commonwealth of Virginia. Department of health)

Journalism

WATSON, E. S. Jobs in rural journalism. Chicago, 1939. (Occupational monographs, no. 4)

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Library Economy

THORNTON, J. L. Cataloguing in special libraries. London, Grafton, 1938.  
243.2 T39

Marketing

AMERICAN FRUIT AND PRODUCE AUCTION ASSOCIATION, New York. Creating your market. New York, 1939. 280.3 Am35

CANADA. DEPT. OF LABOUR. Combines investigation act. Report. Ottawa, 1939. 280.3 C163C

GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The bacon marketing scheme, 1933, as amended to 30th September, 1938. London, 1939.  
280.350 G79B

POULTRY MARKETING CONFERENCE, Chicago, 1939. Transcript of proceedings.  
[n.p., 1939] 280.3479 P86

Mathematics

MISES, R., edler von. Probability, statistics and truth. Ed. 2. Translated by J. Neyman, D. Sholl, and E. Rabinowitsch. New York, Macmillan, 1939.  
325 M68 Ed. 2

Meteorology

MEXICO. SERVICIO METEOROLÓGICO. Atlas climatológico de México [Mexico City? 1936?] 343 M57

ORGANISATION MÉTÉOROLOGIQUE INTERNATIONALE. SECRÉTARIAT. Offices météorologiques du monde avec leurs directeurs et états-major, leur attribution de service et leurs publications. Edition 1938. Utrecht, Pays-bas, Impr. Broekhoff, 1938. (Publication no. 2) and Supplément No. 1. [Utrecht?] 1939. 225 Or3 1938

Milling

LOCKWOOD, J. F. Provender milling. London, Northern publishing co., 1939.  
298 L81

Pharmacy

AMERICAN PHARMACEUTICAL ASSOCIATION. COMMITTEE ON THE REVISION OF THE UNITED STATES PHARMACOPOEIA, 1940. Proceedings, (Digitalis assay) August 23, 1939, Atlanta, Georgia. New York, Master reporting company, 1939.  
Typewritten.

Physics

BERGMANN, L. Ultrasonics. Translated by Dr. H. S. Hatfield from the German work Ultraschall. London, Bell, 1938. 334 B45

-----  
PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Planning and Planning Board Publications

- ALABAMA. STATE PLANNING COMMISSION. Forestry and forest industries in Alabama. Montgomery, 1939. 280.7 A11
- HOWE, H. Local government finance in Kansas. Topeka, Kans., Kansas State planning board in cooperation with Works progress administration and National resources committee, 1939. 280.7 K13Lo
- ISSEKS, M. S. History of state administrative agencies in Oregon 1843-1937. [n.p., Oregon State planning board] 1939. 280.7 Or33H
- KANSAS. STATE PLANNING BOARD. Property taxation in Saline county, Kansas, 1925-1936. Topeka, 1939. 280.7 K13Ps
- MASSACHUSETTS. STATE PLANNING BOARD. Drainage basin studies. [Boston?] 1937-39. v. 1-5. 280.7 M38D
- MISSISSIPPI. STATE PLANNING COMMISSION. LAND PLANNING DIVISION. Land planning program for Mississippi. Jackson, 1937. 280.7 M6922La
- WASHINGTON (STATE) STATE PLANNING COUNCIL. A program for library service in Washington. Olympia, 1938. (Survey of public education, Appendix E) Mimeographed. 280.7 W27Su App. E.
- WASHINGTON (STATE) STATE PLANNING COUNCIL. RECREATION STUDY ADVISORY COMMITTEE. Protection and development of roadside areas, state of Washington. December, 1938. [A report]. Olympia, 1938. 280.7 W2725

Statistics

- FISHER, R. A. Statistical theory of estimation. Calcutta, University of Calcutta, 1938. (Calcutta university Readership lectures) 251 F53St

Taxation

- LUTZ, H. L. The fiscal and economic aspects of the taxation of public securities. [A report]. New York, Bar press, 1939. 284.5 L97F
- MICHIGAN. STATE BOARD OF TAXATION ADMINISTRATION. General sales tax. Rules and regulations amended as of and effective June 1, 1938. Lansing, 1938. 284.5 M586

Technology

- TEXAS. UNIVERSITY. INDUSTRIAL AND COMMERCIAL RESEARCH COUNCIL. Technical research in business, chemistry, engineering, geology, to industrialize Texas and Texans. Austin, 1939. 330 T31
- TIEMANN, H. D. Lessons in kiln-drying. Nashville, Southern lumberman, 1938. 300 T44L



PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Veterinary Medicine

- CARBALLO POU, M. Consideraciones sobre el problema de la equinococosis. Buenos Aires, Impr. de la universidad, 1938. 41 C173
- FORTSCHRITTE der neuzeitlichen veterinarchirurgie; festschrift Theodor Schmiel. Berlin, Urban & Schwarzenberg, 1938. 41 F77
- GRAHAM, R., and SAMPSON, J. Animal pathology and hygiene. Springfield, Ill., 1938. (State of Illinois. Department of agriculture. Division of animal industry) 41 G762
- HOBDAY, Sir F. T. G. Surgical diseases of the dog and cat. Ed. 4. London, Baillière, Tindall and Cox, 1939. 41 H653S Ed. 4
- WAGNER, K. Kampf der maul- und klauenseuche. Berlin-Lichterfelde, Nafag [1939?] 41 W122

Zoology

- BARTELS, K. O. Belauschtes leben. Berlin-Lichterfelde, Bermühler, 1934. 411 B282
- ELY, A., comp. North American big game; a book of the Boone and Crockett club. New York, Scribner's sons, 1939. 412.1 E19
- OXFORD UNIVERSITY EXPEDITION TO BRITISH GUIANA, 1929. British Guiana papers. v.1. London, Milford, 1938. 409 OX2
- RICKETTS, E. F., and CALVIN, J. Between Pacific tides; an account of the habits and habitats of some five hundred of the common conspicuous seashore invertebrates. Stanford University, Cal.; Stanford university press, 1939. 411.2 R42
- STEINIGER, F. Warnen und tarnen in tierreich. Berlin-Lichterfelde, Bermühler, 1938. 411 St33

Reference Books

- GRISMER, R. L. A reference index to twelve thousand Spanish American authors. New York, Wilson, 1939. (Inter-American bibliographical and library association publications. ser. II, vol. 1) 119 G88
- HENDERSON, Mrs. I. F., and HENDERSON, W. D. A dictionary of scientific terms; biology, botany, zoology, anatomy, cytology, embryology, physiology. Ed. 3. Edinburgh, Oliver and Boyd, 1939. 330 H38 Ed. 3

Theses

- ALMY, L. H. The composition and nutritive value of fish preserved by cold storage. New York City, 1938. Thesis. Columbia university. 1917. 389.3 A16
- BURMISTER, D. M. A study of the physical characteristics of soils, with special reference to earth structures. New York City, 1938. Thesis. Columbia university. 56.43 B92

PRINCIPAL LIBRARY ACCESSIONS

## Theses (continued)

- DAVIES, J. E. Fundamentals of housing study. New York City, 1938.  
Thesis. Columbia university, 1938. 296.2D28
- FOCKENS, J. I. Die weizenwirtschaft der Niederlande, 1930-1936. Amsterdam, 1938. Inaug.-diss. Bern. 281.359 F68
- HALL, C. R. A scientist in the early republic, Samuel Latham Mitchill, 1764-1831. New York, 1934. Thesis. Columbia University. 120 M39
- MILLETT, J. D. The Works progress administration in New York city. Chicago, 1938. (Committee on public administration, Social science research council. Studies in administration. v. 2) Thesis. Columbia university. 283 M612
- PELIPETZ, H. G. Hydrotropic solutions as solvents of lignin. New York, 1937. Thesis. Columbia university. 567.1 P362
- TILL, I. Milk, the politics of an industry. New York, 1938. Thesis. Columbia university. 281.344 T46

TRANSLATIONS RECEIVED IN THE LIBRARYFrom Department of Agriculture, University of Minnesota:

- ENGLEHARDT, Dr. Der Sudetendeutsche tierärz (The Sudeten Germany veterinary surgeon). Fachbl. d. Sudetendeut. Tierärz. 18(9/10): 189-192. Sept./Oct. 1938. Film copy. Translation no. 252
- RINJARD, P. Contribution a l'étude de l'etiologie du coryza gangreneux. Conditions de conservation du virus (Contribution to the study of the etiology of gangrenous coryza. Conditions for keeping of the virus). Rec. de Méd. Vet. 111(7): 391-406. July 1935. Film copy. Translation no. 251
- RINJARD, P. Contribution a l'étude experimentale du coryza gangreneux (Contribution to the experimental study of gangrenous coryza). Rec. de Méd. Vet. 111(6): 335-356. June 1935. Film copy. Translation no. 250.

From Ohio Agricultural Experiment Station:

- HONCAMP, F., ed. Handbuch der pflanzenernährung und düngerlehre.. 2. bd. Düngemittel und düngung. (Handbook of plant nutrition and theory of fertilization... v. 2. Fertilizers and fertilization). Berlin, 1931. Outline and translation of more important parts of Section II, 6, III. Die anwendung von jauche und stalldünger (The application of liquid and stable manure), by F. Honcamp. p. 251-273. Translated by C. J. Schollenberger. Translation no. 254.

-----  
BIBLIOGRAPHIES AND LISTS

## Miscellaneous

- A BIBLIOGRAPHY of the botanical writings of John L. Sheldon. Jour. South. Appalachian Bot. Club. 4(6-7):72-74. Oct.-Nov. 1939. 450 So82
- BITTING, Mrs. K. G. Gastronomic bibliography. San Francisco, Trade pressroom, 1939. 241.64 B54
- HARVARD UNIVERSITY. GRADUATE SCHOOL OF BUSINESS ADMINISTRATION. RILEY LIBRARY. KRESS LIBRARY OF BUSINESS AND ECONOMICS. The Kress library of business and economics. Boston, 1939. (Publication no. 1 of the Kress Library of business and economics) 280.9 H2642 no. 1
- JACKSON, C. O. A practical bibliography of recreational activities. Urbana, Ill., Curriculum library, College of education, 1939. Processed.
- NEWARK, N. J. FREE PUBLIC LIBRARY. BUSINESS BRANCH. Business directories. Newark, 1934. 241.3 M4343d
- SHELDON, John L. The lichens of West Virginia. Jour. South. Appalachian Bot. Club 4(6-7): 77-126. Oct.-Nov. 1939. 450 So82

## U. S. Department of Agriculture

## Bureau of Agricultural Chemistry and Engineering

Manufacture of jams, jellies, marmalades and preserves. Selected references and patents, compiled by V. A. Pease, Food research division. 1939. 22 p. 1.932 F5M31

## Bureau of Agricultural Economics

Acts administered by Agricultural marketing service. Compiled [in the bureau library] by Marion E. Wheeler. Oct. 1939. 8 p. (Economic library list no. 5) 1.9 Ec73E

Periodicals relating to shipping. Compiled [in the bureau library] by Esther M. Colvin and Nellie G. Larson. Oct. 1939. 14 p. (Economic library list no. 6)

Stocker and feeder cattle and sheep received in several corn belt states. By Knute Bjorka. 1939. 9 p. 1.9 M48t6

## Bureau of Dairy Industry

Partial list of books on dairy technology [Compiled in the bureau library] 1939. 2 p. (Dairy library list no. 3, rev. Sept. 1939) 1.9 D149

Publications relating to ice cream. [Compiled in the bureau library] 1939. 9 p. (Dairy library list no. 5. Revised Oct. 1939) 1.9 D149

## Bureau of Entomology and Plant Quarantine

A bibliography of cyanide compounds used as insecticides, 1938.

By H. D. Young. 1939. 40 p. (E-495) 1.9 En83

## Library

A guide for courses in the history of American agriculture. Compiled by Everett E. Edwards, Bureau of Agricultural economics. Sept. 1939. 192 p. (Bibliographical contributions no. 35) 1.9 L61Bi



ARTICLES BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Office of the Secretary

- WALLACE, H. A. Plant exploring work started 100 years ago. U. S. plant scientists have toured world and brought back many valuable crops. Blue Anchor 16(10): 12. Oct. 1939.
- WILSON, M. L. What are the objectives of continuing education? Rural Amer. 17(6): 8-10. Sept. 1939.

Agricultural Adjustment Administration

- BEAN, L. H. Export prospects for southern farm products. South. Econ. Jour. 6(1): 1-19. July 1939.
- Agriculture in the World War and today. Sphere 24(4)21-23. Oct. 1939.
- EVANS, R. M. What has happened so far in the AAA corn program. Kans. Farmer 76(22): 9. Nov. 4, 1939.

Agricultural Chemistry and Engineering

- BALDWIN, W. H. and LECLERC, J. A. Hydrolytic treatment of cottonseed hulls. Oil and Soap 16: 176-180. Sept. 1939.
- BALLS, A. K. and LINEWEAVER, H. Isolation and properties of crystalline papain. Jour. Biol. Chem. 130: 669-686. Oct. 1939.
- The nature of a group in papain that is essential to its activity. Nature 144: 513, Sept. 16, 1939.
- BREWER, A. K. and BRANLEY, A. The effect of baffles on the thermal separation of gases. Jour. Chem. Phys. 7: 972. Oct. 1939.
- CAMPBELL, H. Nature of a yellow deposit in jars of home-canned green asparagus. Food Res. 4: 397-399. July-Aug., 1939.
- HALE, W. S. The proteinase in wheat flour. Cereal Chem. 16: 695-702. Sept. 1939.
- HERRICK, H. T. The new regional research laboratories of the United States Department of Agriculture. Jour. Amer. Leather Chemists Assoc. 34: 481-487. Sept. 1939.
- Utilization of new sources of cellulose of non-forest origin. Procs. Internatl. Tech. and Chem. Cong. of Agr. Indus. (1939) 6: 138-148.
- HOLLINGSHEAD, R. S. Apple research. Procs. Ann. Meet. of Natl. Apple Inst. (1939) 6: 5-8.
- LYNCH, D. F. J. Cottonseed and the southern regional research laboratory. Oil and Soap 16(10): 3. Oct. 1939.

---

\*These lists are prepared in the offices under which they are listed with the exception of the Office of the Secretary and the Agricultural Adjustment Administration.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Agricultural Chemistry and Engineering (continued)

- MARKLEY, K. S. (Book Review) Le soja et les industries du soja, by A. Matagrin. Indus. & Engin. Chem. News Ed. 17: 535. Aug. 20, 1939.
- MARTIN, L. F. and BALLS, A. K. (With H. H. McKinney, Bur. Plant Indus.) Protein changes in mosaic tobacco. Jour. Biol. Chem. 130: 687-701. Oct. 1939.
- MEHRING, A. L. The magnesium content of fertilizers, 1850 to 1937. In Com. Fert. Year Book 1939 p. 32-41.
- MOTTERN, H. H. and COLE, H. L. Enzymic preparation of d-galacturonic acid. Jour. Amer. Chem. Soc. 61: 2701-2. Oct. 1939.
- NELSON, E. K. and WHEELER, D. H. Natural aging of wine: A chemical study. Indus. & Engin. Chem. 31: 1279-81. Oct. 1939.
- PALKIN, S. and CHADWICK, T. C. A device to prevent bumping and promote boiling. Indus. & Engin. Chem. Anal. Ed., 11: 509-10. Sept. 15, 1939.
- PATTON, E. L. Government style fire still operated twenty-four hours day (Press Release) Nav. Stores Rev. 49(29): 22, Oct. 14, 1939.
- PULLEY, G. N. and VON LOESECKE, H. W. Gases present in the commercial handling of citrus juices. Indus. & Engin. Chem. 31: 1275-78. Oct. 1939.
- SMITH, A. K. and CIRCLE, S. J. Soybean protein: Precipitation from water and alkaline dispersions by acids and by electrodialysis. Indus. & Engin. Chem. 31: 1284-88. Oct. 1939.
- WHITTAKER, C. W., RADER, L. F., JR. and ZAHN, K. V. Magnesium oxide as a possible ingredient of mixed fertilizers. (Abstract) Amer. Fert. 91(6): 9, 22. Sept. 16, 1939.
- YANOVSKY, E. Extraction of hemicelluloses from plant material: Quantitative study. Indus. & Engin. Chem. 31: 1245-6. Oct. 1939.

Bureau of Agricultural Economics

- CROW, W. C. Forty percent of sales of Lower Manhattan market to New York City buyers are direct to retailers. (Tenth of a series) Packer 35(46):6. Oct. 28, 1939.
- The traffic situation in the Lower Manhattan market. (Ninth of a series) Packer 35(45):8. Oct. 21, 1939.
- SHERMAN, C. B. Research finds uses for more cotton. Better Crops with Plant Food 25(8):19-21, 46-47. October 1939.

Bureau of Dairy Industry

- FAIRES, E. W. Sorghum and soybeans for silage. S. C. Agr. Expt. Sta. Ann. Rpt. 1938: 167-169. (In cooperation.)
- GOULD, S. P., and WHITTIER, E. O. Fiber. U. S. Patent 2,169,690. Issued Aug. 15, 1939.
- HARDELL, R. E. Making surplus milk into Swiss cheese. (Abstract.) Ohio State Univ. Dairy Technol. Conf. Abs. of Material 1939: 85-87. (Himeographed)

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Dairy Industry (continued)

- HURTZ, F. E. Separation of hydroxy from non-hydroxy fat acids by the use of maleic anhydride. (Abstract.) Amer. Chem. Soc. Abs. Papers 37th Meeting 1939 (B): 26.
- MORRIS, S. G. Synthetic alpha-tocopherol and nutritional muscular dystrophy. Science 90: 424-425. Nov. 3, 1939.
- RICHARDSON, L. S. The dairy industry. Amer. Year book 1938: 442-444.
- RILEY, J. A. Sandhill Experiment Station. S. C. Agr. Expt. Sta. Ann. Rpt. 1938: 144-169. (In cooperation.)
- ROGERS, L. A. (With E. G. HASTINGS, Wis. Agr. Expt. Sta., and J. M. SHERMAN, Cornell Univ.) Chronic mastitis of the dairy cow. Report no. 4 of the Committee on bacteriological problems. Internatl. Assoc. Milk Dealers, Assoc. Bul. 31st Year (1939) No. 14, 27 p. June 16, 1939.
- (With E. G. HASTINGS, Wis. Agr. Expt. Sta., and J. M. SHERMAN, Cornell Univ.) Oxidized flavor in milk. Report no. 3 of the Committee on bacteriological problems. Internatl. Assoc. Milk Dealers, Assoc. Bul. 31st Year (1939) No. 3, p. 61-68. Feb. 7, 1939.
- SANDERS, G. P. The determination of chloride in milk. Jour. Dairy Sci. 22: 841-852. Oct., 1939.
- WATSON, P. D. Method of making lactic acid resinous products. U. S. Patent 2,174,491. Issued Sept. 26, 1939.
- WHITTIER, E. O. Greater uses for dairy by-products. Hoard's Dairyman 84: 499. Sept. 25, 1939.
- WILSON, H. L. The importance of quality in cheese cured and merchandised in labelled consumer-size packages. (Abstract.) Ohio State Univ. Dairy Technol. Conf. Abs. of Material 1939: 84. (Mineographed.)
- WOODWARD, T. E. Grass and legume silage. Md. Crop Impr. Assoc. Rpt. 32nd Ann. Meeting 1939: 5-11.

Bureau of Entomology and Plant Quarantine

- BUSCK, A. A generic review of the family Phaloniidae with descriptions of two new genera and one new species. South. Calif. Acad. Sci. Bul. 36: 98-111. May-Aug. 1939.
- CUPPLES, H. L. Wetting and spreading properties of aqueous solutions. Mixtures of sodium carbonate with n-caproic, n-caprylic, n-capric, lauric, myristic, and palmitic acids. Indus. and Engin. Chem., Indus. Ed. 31: 1307-1308. Oct. 1938.
- DAVIS, W. C., YOUNG, G. Y., and ORR, L. W. Needle droop of pine. Jour. Forestry 37: 864-887. Nov. 1939.
- HOFFMAN, C. H. The biology and taxonomy of the nearctic species of *Osmodema* (Coleoptera, Scarabaeidae). Ent. Soc. Amer. Ann. 33: 502-509. Sept. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- GURNEY, A. B. A new species of Zoraptera from Fiji. Bernice P. Bishop Mus. Occas. Papers 15: [161]-165. Sept. 15, 1939.
- HAIBLETON, J. I. La abeja, companera alada del hombre. Costa Rica. Inst. de Defensa del Cafe. Rev. 8: 546-558. Sept. 1939.
- KING, W. V. Varieties of Anopheles crucians Wied. Amer. Jour. Trop. Med. 19: 461-471. Sept. 1939.
- SANDHOUSE, G. A. The North American bees of the genus Osmia (Hymenoptera: Apoidea). Wash. Ent. Soc. Memo. no. 1. 1939.
- SIMMONS, S. W. Digestive enzymes of the larva of the cattle grub Hypoderma lineatum (De Villiers). Ent. Soc. Amer. Ann. 32: 621-627. Sept. 1939.
- SIMMONS, S. W. Some histopathological changes in the skin of cattle infected with larvae of Hypoderma lineatum. Amer. Vet. Med. Assoc. Jour. 95 (n.s. v. 47): 263-288. Sept. 1939.
- SMITH, M. R. Ants of the genus Macromischa Roger in the United States. (Hymenoptera: Formicidae). Ent. Soc. Amer. Ann. 32: 502-509. Sept. 1939.
- SMITH, M. R. Notes on Formica (Neoformica) moki Wheeler, with description of a new subspecies (Hymenoptera: Formicidae). Ent. Soc. Amer. Ann. 32: 502-509. Sept. 1939.
- SWANSON, H. E. Blister rust control in the inland empire. Jour. Forestry 37: 849-852. Nov. 1939.

Forest Service

- BUHLER, E. O. A new way to a community forest. Jour. Forestry 37: 901-902. Nov. 1939.
- CHAIRMAN, L. E. The approach of loblolly and Virginia pine stands toward normal stocking. Jour. Forestry 37: 868-871. Nov. 1939.
- CRONMILLER, F. P. How big is your deer? Pacific Sportsman 20(3): 25. Sept. 1939.
- CURRAN, C. E. (Book review) Wood pulp, by Julius Grant. 209p. Chronica botanica company, Leiden (Holland), and G. E. Stechert, New York. 1939. Jour. Forestry 37: 907-908. Nov. 1939.
- Forest products research in the pulping of western woods. Pac. Pulp & Paper Indus. 13(6): 28-29. June 1939.
- FORBES, R. D. (Book review) Sagas of the evergreens, by Frank H. Lamb. 364p. illus. W. W. Norton and co., inc. New York. 1939. Jour. Forestry 37: 908-909. Nov. 1939.
- FOWELLS, H. A., and ARNOLD, R. K. Hardware cloth seed-spot screens reduce high surface soil temperatures. Jour. Forestry 37: 821-822. Oct. 1939.
- FRANK, BERNARD, and HUBERMAN, M. A. Correspondence [Letter to Henry Schmitz]. Jour. Forestry 37: 835-834. Oct. 1939.
- GEMMER, E. W. Reproduction of the loblolly pine. Naval Stores Rev. 49(26): 13. Sept. 23, 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- GEVORKIANTZ, S. R. (Book review) Elementary forest mensuration, by M. R. K. Jerram. With a chapter on the Measurement of forests, by R. Bourne. 124p. illus. Thomas Murby and co., London, and Nordemann publishing co., New York. 1939. Jour. Forestry 37: 907. Nov. 1939.
- GROSS, L. S., and HUBERMAN, M. A. The seed makes the tree. Amer. Forests 45: 498-501, 523. Oct. 1939.
- HALL, A. G. (Book review) Sechrist's foresters' field manual, by W. C. Sechrist. 128p. The Craft press, inc., Fayetteville, Pa. 1939. Jour. Forestry 37: 831. Oct. 1939.
- HORNIBROOK, E. M. Preliminary yield tables for selectively cut stands of ponderosa pine in the Black hills. table, charts. Jour. Forestry 37: 807-812. Oct. 1939.
- HUBERMAN, M. A. (Book review) An outline of forestry, by Thomas Thomson and M. R. K. Jerram. 208p. plate, figs. Thomas Murby and co., London, and Nordemann publishing co., inc., New York. Jour. Forestry 37: 824. Oct. 1939.
- KAUTZ, L. G., and LIVING, F. G. Notes on the 1937 and 1938 acorn crops in the Missouri Ozarks. Jour. Forestry 37: 904. Nov. 1939.
- KOLBE, E. L. Burning ponderosa pine snags by the base-fire method. illus. Jour. Forestry 37: 894-896. Nov. 1939.
- MATHEWSON, J. S. The seasoning of wood. Indus. Arts and Vocational Ed. 28: 265-269. Sept. 1939.
- MATTOON, W. R. Dedication address to Henry E. Hardtner. Jour. Forestry 37: 751-752. Oct. 1939.
- MEGINNIS, H. G. Soil collecting trenches as substitutes for temporary check dams in reforesting gullies. Jour. Forestry 37: 754-759. Oct. 1939.
- MINCKLER, L. S. The block-line method of plantation examination. Jour. Forestry 37: 872-875. Nov. 1939.
- MORRIS, W. G. Coordinating plans for fire protection facilities. Jour. Forestry 37: 861-865. Nov. 1939.
- NELSON, R. W. Controlled burning at \$40 per acre; is it socially justifiable? Jour. Forestry 37: 815-817. Oct. 1939.
- PABER, ORAN. (Book review) Bioclimatics; -- science of life and climate relations, by A. D. Hopkins. 138p. U. S. Department of agriculture, Misc. pub. 280. Ecology 20: 413-416. July 1939.
- SEBORG, C. O., SIMMONDS, F. A., and BAIRD, P. R. Properties of wet fiber mats: relation of recovery from compressive deformation to sheet properties. Paper Trade Jour. 109(8): 35-42. Aug. 24, 1939.
- SILCOX, F. A. A great project in conservation deserving widespread attention. Nat'l. Grange Month. 36(10): 3, 13, 23. Oct. 1939.
- SMITH, C. G. The effect of pulpwood purchases on the permanence of Southern mills. South. Pulp and Paper Jour. 3(4): 15-16. Sept. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Forest Service (continued)

- SPARHAWK, W. N. (Book review) German-English science dictionary for students in the agricultural, biological and physical sciences, by Louis de Vries. 473p. McGraw-Hill co., New York and London. 1939. Jour. Forestry 37: 909-910. Nov. 1939.
- (Book review) Das Pflanzenleben der Ostalpen (The plant life of the eastern Alps), by Rudolf Scharfetter. 419p. map, figs. Franz Deuticke, Vienna and Leipsig. 1938. Jour. Forestry 37: 827. Oct. 1939.
- (Book review) La Revista Italiana (Italian forestry review), by Augusto Agostinai. Vol. 1, no. 1, March 1938. 68p. illus. Istituto Poligrafico dello Stato, Libreria dello Stato, Rome. Jour. Forestry 37: 826. Oct. 1939.
- SPENCER, J. W. Present day land utilization problems. Jour. Forestry 37: 772-774. Oct. 1939.
- SPEERLING, HARRY. Alaska offers recreational variety. In annual year book and sportsmen's directory, 4: 36-39. 1939. Sports fishing club. Juneau.
- STAHELIN, R. A slide rule method as a substitute for straight axis alignment charts. Jour. Forestry 37: 775-777. Oct. 1939.
- TALBOT, H. W., BISWELL, H. H., and HORMAY, A. L. Fluctuations in the annual vegetation in California. Ecology 20: 394-402. July 1939.
- TAYLOR, R. F. The application of a tree classification in marking lodgepole pine for selection cutting. Jour. Forestry 37: 777-782. Oct. 1939.
- WINTERS, R. K. In memoriam - Henry E. Hardtner. Jour. Forestry 37: 763-764. Oct. 1939.
- WOOD, O. M. Reproduction of shortleaf pine following mechanical treatment of the seedbed. tables. Jour. Forestry 37: 813-814. Oct. 1939.
- ZON, RAPHAEL. The human side of land use. (Condensed from Address before Society of American Foresters at Milwaukee). Conservation 5(5): 26-28. Sept./Oct. 1939.

Bureau of Plant Industry.

- ARCENEUX, G. (With W.G. TAGGART, La. Agr. Expt. Sta., senior author) An evaluation of C.P. 29-103 and C.P. 29-120. Sugar Bul. 18(2): 2-3. Oct. 15, 1939.
- and STOKES, I.E. Studies of gaps in sugarcane rows and their effect upon yield under Louisiana conditions. Sugar News 20: 378-384. Sept. 1939.
- GIBBENS, R. T. and KRUMHOLTZ, C.C. Variety tests of sugarcanes in Louisiana during 1938. Sugar Bul. 18(1): 5-13. Oct. 1, 1939.
- BEVER, W.M. Reinoculation of resistant varieties of wheat with purified physiologic races of *Tilletia tritici* and *T. levis*. Phytopathology 29: 863-871. Oct. 1939.



-----

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- BRANDES, E.W. (With C.T. DOWELL, La. Agr. Expt. Sta. and E.J. Gay, Amer. Sugar Cane League) Release of sugarcane varieties of C.P. 29/107 and C.P. 29/130. Sugar Bul. 18(1):4. Oct.1,1939.
- CAMPBELL, W.A. and DAVIDSON, R.W. Sterile conks of *Polyporus glomeratus* and associated cankers on beech and red maple. Mycologia 31:608-611. Sept./Oct.1939.
- CARSNER, E. Effect of shade on flowering of sugar beets. (Abstract) Amer. Jour. Bot. 26:675. Oct.1939.
- CHITWOOD, B.G. Frames for spacing injections of soil nematocides. Helminthol. Soc. Wash. Proc. 6:70-73. July 1939.
- A rapid method for determining k values of nematocides. Helminthol. Soc. Wash. Proc. 6:66-70. July 1939.
- DAVIS, W.C. and YOUNG, G.Y. (With L.W. ORR, Bur. Ent. & Plant Quar.) Needle drop of pine. Jour. Forestry 37:384-387. Nov.1939.
- DICKSON, A.D. (With G.M. BURLERT, Univ. Wis., senior author) A comparison of methods for the determination of diastatic power of malts. Cereal Chem. 16:657-660. Sept.1939.
- FIFIELD, C.C. (With D.W. ROBERTSON, Colo. Agr. Expt. Sta., senior author and L. ZELMNY, Bur. Agr. Econ.) Milling, baking, and chemical properties of Colorado-grown Marquis and Karred wheat stored 9 to 17 years. Amer. Soc. Agron. Jour. 31:851-856. Oct.1939.
- GARDNER, F.E. and MARCH, P.C. Effectiveness of several growth substances on parthenocarp in holly. Bot. Gaz. 101:226-249. Sept.1939.
- GIBBENS, R.T., STOKES, I.E. and KRUMHOLTZ, C.C. Results of tests of C.P. 29-103 and C.P. 29-120. Sugar Bul. 18(3):4-5. Nov.1,1939.
- JESTER, J.R. (With P.J. KRAMER, Duke Univ.) The effect of length of day on the height growth of certain forest tree seedlings. Jour. Forestry 37:796-805. Oct.1939.
- JONES, F.R. Evidence of resistance in sweetclover to a phytophthora root rot. (Note) Phytopathology 29:909-911. Oct.1939.
- Four fungus parasites of sweetclover infecting seed. (Note) Phytopathology 29:912-913. Oct.1939.
- JUGENHEIMER, R.W. Corn made to order. One-fourth of U.S. crop is hybrid. Kans. Farmer 76(22):33-35. Nov.4,1939.
- LARSON, C.A. Reclamation of saline (alkali) soil in the Yakima Valley, Washington. Wash. Agr. Expt. Sta. Bul. 376. 39 p. July 1939. (In cooperation)
- LEFEBVRE, C.L. and WEINER, J.L. Choanophora cucurbitarum attacking cowpeas. Phytopathology 29:898-901. Oct.1939.
- LEURIEL, R.W. (With O.A. Nelson, Bur. Ent. and Plant Quar.) Chlorine gas as a seed disinfectant. (Note) Phytopathology 29:913-914. Oct.1939.
- LONG, E.M. (With H.C. HAMNER, Univ. Chicago, senior author) Localization of photoperiodic perception in *Helianthus tuberosus*. Bot. Gaz. 101:81-90. Sept.1939.
- Photoperiodic induction as influenced by environmental factors. Bot. Gaz. 101:169-188. Sept.1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- LYONS, E.S. (With J.W. FITTS AND H.F. RHOADES, Nebr. Agr. Expt. Sta., senior authors) "Slick spots" in Nebraska. Amer. Soc. Agron. Jour. 31:823-831. Oct. 1939.
- McCLUGGAGE, M.E. (With J.E. ANDERSON and R.K. LARMOUR, Kans. State Coll.) A comparison of the Allis-Chalmers and the Buhler automatic experimental mills. Cereal Chem. 16:610-619. Sept. 1939.
- MITCHELL, J.W. (With E.J. KRAUS, Univ. Chicago, senior author) Histological and physiological responses of bean plants to alpha naphthalene acetamide. Bot. Gaz. 101:204-225. Sept. 1939.
- MULLER, C.H. Symbols and abbreviations in taxonomic botanical literature. Taxonomic Index Extra Suppl. v.2. no.5. 6 p. June 1939. (Mimeographed)
- PARKER, M.W. and BORTWICK, H.A. Effect of variation in temperature during photoperiodic induction upon initiation of flower primordia in Biloxi soybean. Bot. Gaz. 101:145-167. Sept. 1939.
- PENDLETON, R.A. Fertilizer problems in California. Natl. Seed Grower 8(2):5,10. Oct. 1939.
- RAPER, K.B. and SMITH, N.R. The growth of Dictyostelium discoideum upon pathogenic bacteria. Jour. Bact. 38:431-442. Oct. 1939.
- ROBERTS, J.W. [Book review] Wornald, H. Diseases of fruits and hops. 290 p. 24 figs., 40 plates. Crosby, Lockwood & Son, Ltd., London, 1939. Phytopathology 29:915. Oct. 1939.
- SCHUSTER, C.E. Miscellaneous nut crops. Oreg. State Coll. Ext. Circ. 336. 4 p. Sept. 1939. (In cooperation) (Mimeographed)
- SHULL, J.H. Iris notes on the west coast. Amer. Iris Soc. Bul. 73:14-18. Apr. 1939.
- SIRRIE, E.F. The training of beginners in purity analysis. Assoc. Off. Seed Anal. No. Amer. Proc. (1938) 30:14-17. 1939.
- SKINNER, J.J. and LINEBERRY, R.A. (With E.R. COLLINS and W.E. RIGLER, N.C. Agr. Expt. Sta. senior authors) Effect of soil factors, fertilizers, line and crop sequence on plant viability, production, time of maturity and quality of strawberries. N.C. Agr. Expt. Sta. Ann. Rpt. (1937/38) 61:49. [1939]
- SPAUDLING, P. Spongy white rot of hardwoods. Mass. Forest and Park Assoc., Tree Pest Leaflet 33. [4] p. July 1939.
- STANTON, T.R. Purer oat seed sought in South. Practice of "oats are just oats" must be done away with if we are to improve strains. South. Seedsman 2(11):10. Nov. 1939.
- STEVENSON, J.A. [Book review.] Wolf, F.A., Garren, K.H. and Miller, J.K. Fungi of the Duke Forest and their relation to forest pathology. Duke University School of Forestry Bulletin 2. 122 p. 53 text figs. Durham, 1933. Phytopathology 29:915. Oct. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- SULLIVAN, J.T. and MYERS, W.M. Chemical composition of diploid and tetraploid *Lolium perenne* L. Amer. Soc. Agron. Jour. 31:869-871. Oct.1939.  
 ----- Determination of hydrocyanic acid by the picric acid method and the KNSZ photometer. Assoc. Off. Agr. Chem. Jour. 22:781-784. Nov.1939.  
 SWANSON, A.F. Long-time storage of winter wheat. (Note) Amer. Soc. Agron. Jour. 31:896-897. Oct.1939.  
 TAYLOR, A.L. Efficient spacing of soil fumigants for field applications. Helminthol. Soc. Wash. Proc. 6:32-66. July 1939.  
 THORNE, G. Some factors governing the success of chemical treatment of soil for nematode control. Helminthol. Soc. Wash. Proc. 6:60-62. July 1939.  
 TOOLE, V.K. Germination requirements of the seed of some introduced and native range grasses. Assoc. Off. Seed Anal. No. Amer. Proc. (1938)30: 227-243. 1939.  
 TRAUB, H.P. Polyembryony in *Myrciaria cauliflora*. (note) Bot. Gaz. 101: 233. Sept.1939.  
 ULLSTRUP, A.J. Preliminary observations on a kernel discoloration in inbred and hybrid lines of dent corn. (Note) Phytopathology 29:905-907. Oct.1939.  
 WATKINS, G.M. and WATKINS, M.O. The pathogenic action of *Phymatotrichum omnivorum*. Science 90:374-375. Oct.20,1939.  
 WEISS, F. Suggestions for the identification and control of azalea flower spot. Subtrop. Gard. 2(1):6,20,22. Oct.1939.  
 WHITCOMB, W.O. Seed value of de-hulled oats - preliminary. Proc. Assoc. Off. Seed Anal. North Amer. (1938) 30:255-258. illus. 1939.

Soil Conservation Service

- ANDERS, C.B. Soil conservation review. South. Conserv. and Amer. Tung Oil 6(5):13,18. Aug. 1939.  
 BENNETT, H.H. A conservationist looks at Dixie. South. Conserv. and Amer. Tung Oil 6(5):8-11,18. Aug. 1939.  
 BLUMENSTOCK, D.I. The humid-arid boundary problem. Geogr. Rev. 29:681-682. Oct. 1939.  
 CUTTING, C.D. Sand dune control at the mouth of the Columbia River. Shore and Beach 6:119-121. Oct. 1938.  
 FLUECK, H.A. Minnesota farmers practice soil conservation. Nature Notes Minneapolis Pub. Libr. Museum 2:463-468. Oct. 1939.  
 WALLACE, H.H., jr. The present trend in the control of erosion in terrace outlets. Agr. Engin. 20:393-394. Oct. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK\*

Alabama

- PEARSON, A. M. (With G. C. MOORE, Ala. Coop. Wildlife Research Unit, Auburn)  
Nesting habits of the mourning dove in Alabama. North Amer. Wildlife  
Conf. Trans. 4(1939): 468-473. 1939.
- SWINGLE, H. S., and SMITH, E. V. Increasing fish production in ponds.  
North Amer. Wildlife Conf. Trans. 4(1939): 532-538. 1939.

Arizona

- BENSON, L. (With A. CARTER) Two new species of *Ramunculus* § *Flammula*.  
Amer. Jour. Bot. 555-557. July 1939.
- BUEHRER, T. F. (With M. S. ROSENBLUM, Univ. Ariz.) A new dilatometer for  
determining bound water in soils and other colloiddally dispersed materials.  
Jour. Phys. Chem. 43: 941-951. Oct. 1939.
- DARROW, R. A. Effects of soil temperature, pH, and nitrogen nutrition on the  
development of *Poa pratensis*. Bot. Gaz. 101: 109-127. Sept. 1939.

Arkansas \*

- NIELSON, E. L. A note concerning the identity of *Amelanchier florida* Lindley  
and *A. alnifolia* Nuttall. Amer. Midland Nat. 22: 207-208. July 1939.
- NIELSON, E. L. A taxonomic study of the genus *Amelanchier* in Minnesota.  
Amer. Midland Nat. 22: 160-206. July 1939.

California

- ARNON, D. I. Effect of ammonium and nitrate nitrogen on the mineral compo-  
sition and sap characteristics of barley. Soil Sci. 48: 295-307.  
Oct. 1939.
- BABCOCK, E. D. Cytogenetic and taxonomic investigations in the Crepidione.  
Carnegie Inst. Wash. Year Book no. 37(1937/38): 316-318. 1938.
- BESS, H. A. Investigations on the resistance of mealybugs (Homoptera) to  
parasitization by internal hymenopterous parasites, with special reference  
to phagocytosis. Ann. Ent. Soc. Amer. 32: 189-226. March 1939.
- BLISS, D. E. The *Penicillium* disease of ornamental palms. West. Shade Tree  
Conf. 5(1938): 20-27. [1939?].
- CAMERON, H. S., and STEWART, L. A. Studies on the course of trichostrongyle  
infestation in sheep. Jour. Amer. Vet. Med. Assoc. 95: 177-180. Aug.  
1939.

\* Prepared in the Office of Experiment Stations Library.

## ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (continued)

- CHAPMAN, H. D. Absorption of iron from finely ground magnetite by citrus seedlings. Soil Sci. 48: 509-515. Oct. 1939.
- CRAFTS, A. S. Solute transport in plants. Science 90: 557-558. Oct. 6 1939.
- ECKERT, J. E. Marketing and organization Amer. Bee Jour. 79: 440, 460-461. Sept. 1939.
- ESAU, K. Development and structure of the phloem tissue. Bot. Rev. 5: 373-452. July 1939.
- EVANS, H. M. (With M. E. SIMPSON, S. TOLKSDORF, and H. JENSEN, Univ. Calif.) Biological studies of the gonadotropic principles in sheep pituitary substance. Endocrinol. 25: 529-546. Oct. 1939.
- FANCETT, H. S., and KLOTZ, L. H. Infectious variegation of citrus. (Note) Phytopathology 29: 911-912. Oct. 1939.
- FANCETT, H. S., and RHOADS, A. S. Lesions on Quercus laurifolia similar to those of leprosis on citrus in Florida. (Note) Phytopathology 29: 907-908. Oct. 1939. (A. S. Rhoads, Fla. Agr. Expt. Sta.)
- FLANDERS, S. E. Environmental control of sex in hymenopterous insects. Ann. Ent. Soc. Amer. 32: 11-26. March 1939.
- FRENCH, O. C. Power equipment for injecting carbon bisulfide into soil. Agr. Engin. 20: 351-352, 358. Spt. 1939.
- JOSLYN, M. A. Quality in frozen foods - what it is and how it can be measured. (Abstract) Fruit Prod. Jour. and Amer. Vinegar Indus. 19: 50. Oct. 1939.
- LI, C. H., LYONS, W. R., SIMPSON, M. E., and EVANS, H. M. Essentiality of primary amino groups for specific activity of the lactogenic hormone. Science 90: 576-577. Oct. 20, 1939. (C. H. Li, W. R. Lyons, M. E. Simpson, Univ. Calif.)
- MOHAMMAD, A., EMERSON, O. H., EMERSON, G. A., and EVANS, H. M. Multiple nature of the rat "filtrate factor" - a component of vitamin B<sub>2</sub>. Science 90: 377. Oct. 20, 1939. (A. Mohammad, O. H. Emerson, and G. A. Emerson, Univ. Calif.)
- MORGAN, A. F., NOBLES, H. L., WIENS, A., MARCH, G. L., and WINKLER, A. J. The B vitamins of California grape juices and wines. Food Research 4: 217-229. May-June 1939. (H. L. Nobles, and A. Wiens, Univ. Calif.)
- MORGAN, A. F., (With L. KIMMEL and H. G. DAVISON, Univ. Calif.) Vitamin content of certain Pacific fish oils. Food Research 4: 145-158. March-Apr. 1939.
- SHIPLEY, P. H. New species of bees of the genus Dufourea from California (Hymenoptera, Apoidea). Ann. Ent. Soc. Amer. 32: 395-414. June 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(Continued)

Colorado

- ROBERTSON, D. W., LUTE, A. H., and GARDNER, R. Effect of relative humidity on viability, moisture content, and respiration of wheat, oats, and barley seed in storage. Jour. Agr. Research [U.S.] 59: 281-291. Aug. 15, 1939.
- ROBERTSON, D. W., FIFIELD, C. C., and ZELENY, L. Milling, baking, and chemical properties of Colorado-grown Marquis and Kanred wheat stored 9 to 17 years. Jour. Amer. Soc. Agron. 31: 851-856. Oct. 1939.

Connecticut

- VICKERY, E. B. Continuation and extension of work on vegetable proteins. Carnegie Inst. Wash. Year Book no. 37(1937/38): 334-338. 1938.

Florida

- DYAL, R. S., SMITH, F. B., and ALLISON, R. V. The decomposition of organic matter in soils at different initial pH. Jour. Amer. Soc. Agron. 31: 841-880. Oct. 1939. (R. S. Dyal, Univ. Fla.)
- WATSON, J. R. Control of red spiders and rust mites. Citrus Indus. 20: 3. Sept. 1939.

Georgia

- LEFEBVRE, C. L., and WEIMER, J. L. Choanephora cucurbitarum attacking cowpeas. Phytopathology 29: 898-901. Oct. 1939 (In Coop. with U. S. Dept. Agr.)
- WOODROOF, J. G. Freezing by immersion: methods and media. Refrig. Engin. 37: 384-387. June 1939.

Idaho

- BEVER, W. M. Reinoculation of resistant varieties of wheat with purified physiologic races of Tilletia tritici and T. levis. Phytopathology 29: 863-871. Oct. 1939. (In Coop. with U. S. Dept. Agr.)

Illinois

- DUNGAN, J. H., and WOODWORTH, C. M. Loss resulting from pulling leaves with the tassels in detasseling corn. Journ. Amer. Soc. Agron. 31: 872-875. Oct. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (continued)

- FAIRBANKS, B. W. How much and what kind of protein supplement? North Amer. Vet. 20: 21-27. Aug. 1939.
- FAIRBANKS, B. W. Scientific societies discuss latest advances in nutrition. North Amer. Vet. 20: 35-40. Sept. 1939.
- GRAHAM, R., LEVINE, N. D., and HESTER, H. R. Erysipelothrix rhusiopathiae associated with a fatal disease in ducks. Jour. Amer. Vet. Med. Assoc. 95: 211-216. Aug. 1939.
- GRAHAM, R. Listerella encephalitis or encephalomyelitis in domestic animals. Jour. Amer. Vet. Med. Assoc. 95: 289-292. Sept. 1939.
- GRAHAM, R., HESTER, H. R., and LEVINE, N. D. Listerella from a premature bovine fetus. Science 90: 336-337. Oct. 6, 1939.
- HARRIS, H. W. (With B. VANDERVLIT, Ill. Agr. Assoc.) Effects of strip mining on agricultural areas in Illinois and suggested remedial measures. Jour. Land & Pub. Util Econ. 15: 296-311. Aug. 1939.
- LENEFEE, S. G., and OVERMAN, O. R. The relation of the refractive index of evaporated and condensed milk serum to the total solids content. Jour. Dairy Sci. 22: 831-840. Oct. 1939. (S. G. Moncefee, Univ. Ill.)
- STEWART, C. L. Strategy in protecting the public's interest in land: with special reference to strip mining. Jour. Land and Pub. Util Econ. 15: 512-516. Aug. 1939.

## Indiana

- BROWN, H. E. An annotated list of the species of Jassinae known to occur in Indiana (Homoptera, Cicadellidae). Amer. Midland Nat. 21: 665-673. May 1939.
- BULLARD, J. F. Pyosalpinx in Holstein cow. Jour. Amer. Vet. Med. Assoc. 95: 369-370. Sept. 1939.
- GOULD, G. E., and DEAY, H. O. The biology of the American cockroach. Pests 7: 12-15. Sept. 1939.
- KRAYBILL, H. R., KLEINSMITH, A. W., and THORNTON, M. H. Composition and drying rates of soybean oils. Indus. and Engin. Chem. 31: 218-222. Feb. 1939.
- KRAYBILL, H. R. Industrial utilization of agricultural products. Indus. and Engin. Chem. 31: 141. Feb. 1939.
- ULLSTENP, A. H. Preliminary observations on a kernel discoloration in inbred and hybrid lines of dent corn. (Note) Phytopathology 29: 905-907. Oct. 1939. (In Coop. with U. S. Dept. Agr.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(Continued)

Iowa

- BENTLEY, R. C., and ROBOTKA, F. Farm cooperatives in Iowa. I. Their importance. Iowa Farm Econ. 5: 8-11. July 1939.
- COLLINS, E. V., and SHEDD, C. K. Why not left-handed disk jointers? Agr. Engin. 20: 387-388. Oct. 1939.
- ERRINGTON, P. L. Suggestions for appraising effects of predation on local areas managed for bobwhite. North Amer. Wildlife Conf. Trans. 4(1939): 422-425. 1939.
- ERWIN, A. T. Artificial manures. Iowa State Hort. Soc. Rpt. v. 73(1938): 272-275. [1939].
- ESPE, D., and CANNON, C. Y. The influence of the physical character of the roughage on the per cent of fat secreted in the milk. Jour. Dairy Sci. 22: 799-801. Oct. 1939.
- HENDRICKSON, G. C. Inventory methods for Hearn's cottontail. North Amer. Wildlife Conf. Trans. 4(1939): 209-215. 1939.
- MACDONALD, G. B. The need for forestry in the country. Iowa State Hort. Soc. Rpt. v. 73(1938): 238-251. 1939.
- MANEY, T. J. List of stocks used successfully in top-working apple varieties. Iowa State Hort. Soc. Rpt. v. 73(1938): 155-156. [1939].
- MANEY, T. J. Some new facts on fruit understocks. Iowa State Hort. Soc. Rpt. v. 73(1938): 149-154. [1939].
- MARTIN, V. D., MAYLOR, N. M., and HIXON, R. M. Action of beta-amylase from soybeans on various starches. Cereal Chem. 16: 565-573. Sept. 1939.
- MINGES, P. A. Fertilizers for vegetable crops on sand soils. Iowa State Hort. Soc. Rpt. v. 73(1938): 283-284. [1939].
- PARK, O. W., PELLETTE, F. C., and PADDOCK, F. B. Results of Iowa's 1937 and 1938 honeybee disease resistance program. Iowa State Hort. Soc. Rpt. v. 73(1938): 401-409. [1939].
- PLAGGE, H. H. Preservation of fruits and vegetables in refrigerated food compartments by freezing. Iowa State Hort. Soc. Rpt. v. 73(1938): 24-29. [1939].
- PLAGGE, H. H. Suggestions on construction and management of common storages for apples. Iowa State Hort. Soc. Rpt. v. 73(1938): 70-79. [1939].
- QUINTUS, P. E., and ROBOTKA, F. Cutting butterfat marketing costs. Iowa Farm Econ. 5: 3-7. July 1939.
- REEDER, W. E., NELSON, V. E., BIESTER, H. E., and EVELETH, D. F. Growth rate, reproduction and histological changes in rats fed rations used in nutritional studies of swine. North Amer. Vet. 20: 28-34. Aug. 1939. (W. E. Reeder, H. E. Biester, and D. F. Eveleth, Iowa State Col.)
- RICHARDSON, C. H., and GUNDERSON, H. Orchard insects of 1938. Iowa State Hort. Soc. Rpt. v. 73(1938): 139-147. [1939].

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(Continued)

Kansas

- McCLUGGAGE, L. E., ANDERSON, J. E., and LARLOUR, R. K. A comparison of the Allis-Chalmers and the Buhler automatic experimental mills. Cereal Chem. 16: 610-619. Sept. 1939. (In Coop. with U. S. Dept. Agr.)
- SWANSON, C. O. Kernel color and internal air space. Northwest. Miller 199: 2a-3a; 200(1): Sect. 1: 5a-7a. Aug. 9, Oct. 11, 1939.
- SWANSON, A. F. Long-time storage of winter wheat. (Note) Jour. Amer. Soc. Agron. 31: 896-897. Oct. 1939.
- SWANSON, C. O. Variations in dough-development curves. Cereal Chem. 16: 625-643. Sept. 1939.

Kentucky

- DIMOCK, W. W., and ERRINGTON, B. J. Incoordination of Equidae: wobblers. Jour. Amer. Vet. Med. Assoc. 95: 261-267. Sept. 1939.
- VALLEAU, W. D., DIACHUN, S., and JOHNSON, E. M. Injury to tobacco leaves by water-soaking. Phytopathology 29: 884-890. Oct. 1939.

Maine

- BONDE, R. Comparative studies of the bacteria associated with potato blackleg and seed-piece decay. Phytopathology 29: 831-851. Oct. 1939.

Maryland

- KUHN, A. O., and KEIP, W. G. Effect of removing different proportions of foliage on contrasting strains of Kentucky bluegrass, *Poa pratensis* L.) Jour. Amer. Soc. Agron. 31: 892-895. Oct. 1939.

Massachusetts

- CROOKS, G. C., and RITCHIE, W. S. Seasonal variation in chemical composition of common haddock. Food Research 4: 159-172. March-April 1939.
- MITCHELL, H. S., COOK, G. M., and O'BRIEN, K. L. Effect of several calcium salts on the utilization of lactose. Jour. Nutrition 18: 319-327. Oct. 10, 1939.

Michigan

- BRYAN, C. S., DEVEREUX, E. D., HIRSCHBY, W. C., and CORBETT, A. C. The use of brilliant green, sodium azide, and dextrose in the microscopic and Hotis tests for streptococcic mastitis. North Amer. Vet. 20: 41-46. Sept. 1939.



---

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Michigan (continued)

- CRIST, J. W. Variation and correlation in bud mutants of the Montmorency cherry. Jour. Agr. Research [U. S.] 59: 393-395. Sept. 1, 1939.
- DAVIS, J. F. A comparison between yields calculated from the grain-straw ratio and those calculated from small cut-out areas. Jour. Amer. Soc. Agron. 31: 832-840. Oct. 1939.
- FABIAN, F. W. [and others] Report of Committee on ice cream sanitation. Jour. Milk Tech. 2: 193-196. July 1939.
- FABIAN, F. W., IRELL, C. F., and LITTLE, N. W. The role of spices in pickled-food spoilage. Food Research 4: 209-236. May-June 1939.
- HARLER, P. M., and BENNE, E. J. The effect of common salt on the yield and composition of certain vegetable crops grown upon muck soil in Michigan. (Abstract) Amer. Fert. 91: 22, 24. Sept. 16, 1939.
- MOORE, L. A. Carotene intake level of blood plasma carotene, and the development of papillary edema and nyctalopia in calves. Jour. Dairy Sci. 32: 803-812. Oct. 1939.
- NELSON, R. Two new diseases of Gladiolus. Iowa State Hort. Soc. Rpt. v. 73(1938): 205-210. [1939].
- SABROSKY, C. W. The European fruit fly and its forms in North America. Ann. Ent. Soc. Amer. 52: 321-324. June 1939.
- SABROSKY, C. W. A summary of family nomenclature in the order Diptera. Internatl. Cong. Ent. Proc. 7(1938) v. 1: 559-612. 1939.

## Minnesota

- BAILEY, C. H. Measuring fermentation rate and gas losses in dough. Cereal Chem. 16: 665-671. Sept. 1939.
- CURRENCE, T. M. The importance of seed breeding to vegetable production. Iowa State Hort. Soc. Rpt. v. 73(1938): 287-288. [1939].
- CURRENCE, T. M. Methods and results of melon and tomato breeding work at the Minnesota Experiment Station. Iowa State Hort. Soc. Rpt. v. 73(1938): 268-270. 1939.
- CURRENCE, T. M. Tomato varieties with notes on sweet corn varieties. Iowa State Hort. Soc. Rpt. v. 73(1938): 261-265. [1939].
- FREEMAN, E. M. Engineering indispensable in agriculture. Agr. Engin. 20: 339-340. Sept. 1939.
- HODSON, A. C. Biological notes on the egg parasites of Malacosoma disstria Hbn. Ann. Ent. Soc. Amer. 52: 151-156. March 1939.
- KERNKAMP, H. C. H. Lesions of hog cholera: their frequency of occurrence. Jour. Amer. Vet. Med. Assoc. 95: 159-166. Aug. 1939.
- MICKEL, C. E. Monograph of a new neotropical Mutillid genus, Pappognatha (Hymenoptera: Mutillidae). Ann. Ent. Soc. Amer. 52: 329-343. June 1939.

-----  
ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

Minnesota (continued)

- MICKEL, C. E., and MILLIRON, H. E. Rearing the caddice fly, *Limnephilus indivisus* Walker and its hymenopterous parasite *Hemiteles bianmulatus* Grav. Ann. Ent. Soc. Amer. 32: 575-580. Sept. 1939.
- MILLIRON, H. E. A parthenogenetic new species of the genus *Perimegatoma* Horn (Coleoptera: Dermestidae). Ann. Ent. Soc. Amer. 32: 570-574. Sept. 1939.
- NESOM, G. H. The marsh soils; peats, mucks and silts. Iowa State Hort. Soc. Rpt. v. 75(1938): 344-346. 1939.
- RILEY, W. A. Maintenance of *Echinococcus* in the United States. Jour. Amer. Vet. Med. Assoc. 95: 170-172. Aug. 1939.
- SANDHOFF, A. G., and SKINNER, C. E. The nitrification of ammonium thiocyanate (a weed eradicant) and the effect of this compound upon the soil population. Soil Sci. 48: 287-294. Oct. 1939.
- SCHANTZ-HANSEN, T. (With P. N. JORANSON, Univ. Minn.) Some effects of the 1936 drought on the forest at the Cloquet Forest Experiment Station. Jour. Forestry 37: 635-639. Aug. 1939.
- SCHANTZ-HANSEN, T., and BROWN, R. M. Variation in rainfall over short distances at the Cloquet Forest Experiment Station. Jour. Forestry 37: 804-806. Oct. 1939.

Missouri

- BERGMAN, A. J., HOUCHIN, O. B., and TURNER, C. W. Efficiency of extraction and separation of certain AP hormones. Endocrinol. 25: 547-553. Oct. 1939.
- HAMMAR, C. H. Land classification to aid the appraiser. Jour. Land and Pub. Util. Econ. 15: 277-286. Aug. 1939.
- REID, W. H. E., DREW, R. J., and AFFGHEE, W. S. The composition and serving temperature as a means of increasing consumer preference for ice cream. Internatl. Assoc. Ice Cream Manufacturers Rpt. of Proc. 38(1938) v. 4: 76-81. [1939].
- WOOLEY, J. C. Holding power of nailed joints. Agr. Eng. 20: 385-386. Oct. 1939.

Mississippi

- LEONARD, O. A. Carbohydrate transformations in leaf blades, with special reference to sucrose synthesis. Amer. Jour. Bot. 26: 475-484. July 1939.

-----  
ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Nebraska

- FITTS, J. W., RHOADES, H. F., and LYONS, E. S. "Slick spots" in Nebraska. Jour. Amer. Soc. Agron. 31: 823-831. Oct. 1939.
- WIGGANS, C. C. Root development of fruit and vegetable plants. Iowa State Hort. Soc. Rpt. v. 73(1938): 38-45. [1939].
- WIGGANS, C. C. Soil moisture in the apple orchard. Iowa State Hort. Soc. Rpt. v. 73(1938): 106-113. [1939].

New Hampshire

- RITZMAN, E. G. Cooperative researches on the nutritional physiology of the adult ruminant. Carnegie Inst. Wash. Year Book 37(1937/38): 329-351. 1938.

New Jersey

- BEAUDETTE, F. R. and HUDSON, C. B. The viability and immunizing value of egg-propagated laryngotracheitis virus. Jour. Amer. Vet. Med. Assoc. 95: 333-339. Sept. 1939.
- GARRETT, O. F., ARNOLD, R. B., and HARTMAN, G. H. Some factors affecting the stability of certain milk properties. II. Effect of succulent roughages and of storage conditions on color. Jour. Dairy Sci. 22: 213-219. Oct. 1939.
- GEHM, H. W. Chemical coagulation of sewage. XI. Effect of soluble matter on coagulation. Sewage Works Jour. 11: 738-751. Sept. 1939.
- HEUBELENIAN, H., and LITTMAN, M. L. Carbon and nitrogen transformations in the purification of sewage by the activated sludge process. II. Morphological and biochemical studies of zooglycal organisms. Sewage Works Jour. 11: 752-763. Sept. 1939.
- JOFFE, J. S., and McLEAN, H. C. Lysimeter studies. The movement of anions through the soil profile of a gray-brown podzolic soil. (Abstract) Amer. Fert. 91: 8. Sept. 16, 1939.
- METZGER, H. H., BEAUDETTE, F. R., and STOKES, F. R. The use of the incubating egg as a differential medium. Jour. Amer. Vet. Med. Assoc. 95: 158. Aug. 1939.
- RUDOLFS, W., and GEHM, H. W. Colloids in sewage and sewage treatment. I. Occurrence and role. A critical review. Sewage Works Jour. 11: 727-737. Sept. 1939.
- RUSSELL, W. C., and MORRIS, M. L. Vitamin A deficiency in the dog. 1. Experimental production of the vitamin A deficient condition. Jour. Amer. Vet. Med. Assoc. 95: 316-320. Sept. 1939.



-----  
ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

New Jersey (continued)

WAKSMAN, S. A., and MARTIN, J. P. The role of microorganisms in the conservation of the soil. Science 90: 304-305. Sept. 29, 1939.

New York Cornell

- BRADFIELD, R. The effect of developments in soil science upon fertilizer practices. Com. Fert. 59: 20-26. Aug. 1939.
- BRADLEY, J. C. The philosophy of biological nomenclature. Internatl. Cong. Ent. Proc. 7(1938) v. 1: 531-534. 1939.
- CHIU, S. F., and McCAY, C. M. Nutritional studies of the confused flour beetle (*Tribolium confusum*, Duval) and the bean weevil [*Acanthoscelides obtectus* (Say)]. Ann. Ent. Soc. Amer. 32: 164-170. March 1939.  
 (S. F. Chiu, Cornell Univ.)
- CLAUSEN, R. T. Contributions to the flora of New Jersey. Torreya 39: 125-133. Sept.-Oct. 1939.
- DORSEY, E. Chromosome doubling in the cereals. Jour. Heredity 30: 393-395. Sept. 1939.
- FRAMPTON, V. L. On the molecular weight of the tobacco mosaic virus protein. Science 90: 305-306. Sept. 29, 1939.
- FRASER, A. C. Some materials for genetic instruction. Jour. Heredity 30: 375-378. Sept. 1939.
- HAND, D. B. Determination of riboflavin in milk by photoelectric fluorescence measurements. Indus. and Engin. Chem (Anal. Ed.) 11: 306-309. June 15, 1939.
- HAND, D. B., and SHARP, P. F. The riboflavin content of cow's milk. Jour. Dairy Sci. 22: 779-783. Oct. 1939.
- HAASIS, F. A. White streak, a virus disease of narcissus. Phytopathology 29(10): 890-895. Oct. 1939.
- MacLEOD, G. F. A review of the potato insect problems in New York State. Amer. Potato Jour. 16: 323-256. Sept. 1939.
- PERSONIUS, C. J., and SHARP, P. F. Adhesion of potato-tissue cells as influenced by pectic solvents and precipitants. Food Research 4: 299-307. May-June 1939. (C. J. Personius, Cornell Univ.)
- RECKNAGEL, A. B. Notes on the upper Fraser river valley spruce of British Columbia. (Note) Jour. Forestry 37: 656-657. Aug. 1939.
- SHAFFER, J., JR. Physiology of lazy corn. Bot. Gaz. 101: 68-80. Sept. 1939.

New York State

- BLAIR, G. W. S., HENNING, J. C., and WAGSTAFF, A. The flow of cream through narrow glass tubes. Jour. Phys.-Chem. 43: 853-864. Oct. 1939.  
 (G. W. S. Blair and A. Wagstaff, Natl. Inst. for Research in Dairying, Shinfield, Reading, England)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## New York State (continued)

- CONN, H. J. Cautions in the use of dioxan. (Note) Stain Tech. 14: 152. Oct. 1939.
- KERTESZ, Z. I. Pectic enzymes. III. Heat inactivation of tomato pectin-methoxylase (pectase). Food Research 4: 113-116. March-April 1939.
- KIRK, M. M., and TRESSLER, D. K. Determination of ascorbic acid: electro-metric titration method. Indus. and Engin. Chem.(Anal. Ed.) 11: 322-323. June 15, 1939.
- MARQUARDT, J. C. Care required for fine goat milk. Dairy Goat Jour. 17: 3-4. Sept. 1939.

## North Dakota

- HARRIS, R. H., and SANDERSON, T. A comparison between the Allis-Chalmers and micro-milling techniques on North Dakota hard red spring wheats. Cereal Chem. 16: 619-625. Sept. 1939.
- HARRIS, R. H. The importance of durum wheat in American agriculture and industry. Part II. Macaroni products: their origin, manufacture and characteristics. Macaroni Jour. 21: 6-8. Oct. 15, 1939.
- McCOLLY, H. F. Snow ridging for moisture conservation. Agr. Engin. 20: 383-384. Oct. 1939.

## Ohio

- BURGWARD, L. H. The phosphatase test. A review of the literature on its application for detecting irregularities in the pasteurization of milk and dairy products. Jour. Dairy Sci. 22: 853-873. Oct. 1939.
- CHADWICK, L. C. (With D. C. KIPLINGER, Ohio State Univ.) Experimental studies at Ohio State University in ornamental horticulture during 1938. Iowa State Hort. Soc. Rpt. v. 73(1938): 167-171. [1939]
- CHADWICK, L. C. (With D. C. KIPLINGER, Ohio State Univ.) Synthetic growth substances. Iowa State Hort. Soc. Rpt. v. 73(1938): 171-175. [1939]
- DONHAM, C. R. Sources of error in the agglutination test for Bang's diseases. Jour. Amer. Vet. Med. Assoc. 95: 136-139. Aug. 1939.
- GOURLY, J. H. New and better orchard practice with new, lightweight, unit type tractors. Amer. Fruit Grower 59: 6-8. Sept. 1939.
- McKAY, H. Problems in potato cookery. Jour. Home Econ. 31: 557. Oct. 1939.
- SHAW, B., and BAVER, L. D. Heat conductivity as an index of soil moisture. Jour. Amer. Soc. Agron. 31: 886-891. Oct. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Oklahoma

HARPER, H. J. A comparison of two types of concrete slab structures for soil erosion control. Agr. Engin. 20: 307-308. Aug. 1939.

Oregon

EINARSEN, A. S. Oregon's open season on antelope in 1938. North Amer. Wildlife Conf. Trans. 4(1939): 216-220. 1939.

WORK, R. A. Soil moisture control by irrigation. Agr. Engin. 20: 359-362. Sept. 1939.

Pennsylvania

MADISON, L. C., MITLER, R. C., and KEITH, T. B. Nicotinic acid in swine nutrition. Flour and Feed 40: 10. Aug. 1939. (L. C. Madison and T. B. Keith, Pa. State Col.)

NICHOLAS, J. E., and CALLENBACH, E. W. Thermal characteristics of electric brooders. Agr. Engin. 20: 313-315. Aug. 1939.

RANDALL, P. E., and BENNETT, L. J. Censusing ringneck pheasants in Pennsylvania. North Amer. Wildlife Conf. Trans. 4(1939): 431-436. 1939.

THOMAS, W., and MACK, W. B. A foliar diagnosis study of the effect of three nitrogen carriers on the nutrition of Zea mays. Jour. Agr. Research [U. S.] 59: 303-313. Aug. 15, 1939.

Rhode Island

DELAPLANE, J. P., and STUART, H. O. A growing yeast medium for the cultivation of Hemophilic bacilli. Jour. Amer. Vet. Med. Assoc. 95: 326-328. Sept. 1939.

South Carolina

CARTWRIGHT, O. L. Eleven new American Coleoptera (Scarabaeidae, Cicindelidae). Ann. Ent. Soc. Amer. 32: 353-364. June 1939.

South Dakota

PATTY, R. L. Puddled-earth and rammed-earth walls. Agr. Engin. 20: 311-312, 319. Aug. 1939.



-----  
ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Texas

- BAIN, D. C. Effect of sulphuric-acid treatment on fungi and bacteria present on cotton seed from diseased bolls. *Phytopathology* 29: 879-884. Oct. 1939.
- FLORY, W. S. Research man sums up recent advances in use of root-promoting chemicals. *South. Florist and Nurseryman* 47: 5, 28-29. Sept. 29, 1939.
- FRAPS, G. S., and CARLYLE, E. C. Utilization of energy of wheat products by chickens. *Jour. Nutrition* 18: 385-398. Oct. 10, 1939.
- YOUNG, P. A. Tomato wilt resistance and its decrease by *Heterodera marioni*. *Phytopathology* 29: 871-879. Oct. 1939.

Utah

- ALLEN, M. W., and KNOWLTON, G. F. Aphis species infesting *Ribes* (Homoptera: Aphidae). *Ann. Ent. Soc. Amer.* 32: 125-130. March 1939.
- HARDY, D. E., and KNOWLTON, G. F. New and little known western Pipunculidae (Diptera). *Ann. Ent. Soc. Amer.* 32: 113-124. March 1939.
- HARMSTON, F. C., and KNOWLTON, G. F. New Dolichopodidae (Diptera). *Ann. Ent. Soc. Amer.* 32: 349-352. June 1939.
- RASMUSSEN, D. I. Mule deer range and population studies in Utah. *North Amer. Wildlife Conf. Trans.* 4(1939): 236-243. 1939.

Virginia

- BLUME, J. M., and PURVIS, E. R. The fixation and release of applied potash on three coastal plain soils. *Jour. Amer. Soc. Agron.* 31: 857-868. Oct. 1939.
- HOFFMANN, F. W. Phosphated ammonia experiments with rye for organic fibre in orchard soils. *Va. State Hort. Soc., Va. Fruit* 27: 16-18. Oct. 1939.
- HOLDAWAY, C. W. The feeding value of apples. *Va. State Hort. Soc., Va. Fruit* 27: 14-15. Oct. 1939.
- PURVIS, E. R., and HANNA, W. J. The influence of overliming upon boron deficiency. *Amer. Fert.* 91: 5-7, 24, 26. Oct. 14, 1939.

Washington

- HERMANN, E. M., and HERMANN, W. The effect of maturity at time of harvest on certain responses of seed of crested wheatgrass, *Agropyron cristatum* (L.) Gaertn. *Jour. Amer. Soc. Agron.* 31: 876-885. Oct. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Washington (continued)

- MCCULLOCH, E. C., and FULLER, S. A. A study of streptococci producing positive Hotis reactions. Jour. Bact. 38: 447-459. Oct. 1939.
- WHEELER, L. A. Egg quality: a literature review. U. S. Egg and Poultry Mag. 45(10): 568-594, 619-624; (11): 675-679, 687-693. Oct., Nov. 1939.

## West Virginia

- BREDECOOT, W. M., and PIERCE, W. H. Forest soil studies. I. Relation of rate of decomposition of tree leaves to their acid-base balance and other chemical properties. Soil Sci. 46: 329-348. Oct. 1939.

## Wisconsin

- ANDERSON, T. F., and DUGGAR, B. M. The physiological changes produced in yeast by ultra-violet light and by heat. Science 90: 358. Oct. 13, 1939. (T. F. Anderson, Univ. Wis.)
- ARNOLD, A., and ELVENJEM, C. A. Is running fits a deficiency disease? Jour. Amer. Vet. Med. Assoc. 95: 303-308. Sept. 1939.
- ARNOLD, A., and ELVENJEM, C. A. Nutritional requirements of dogs. Jour. Amer. Vet. Med. Assoc. 95: 187-194. Aug. 1939.
- BERGER, K. C., and THUOG, E. Boron deficiencies as revealed by plant and soil tests. (Abstract) Amer. Fert. 91: 9. Sept. 16, 1939.
- BERGER, J., and JOHNSON, M. J. The leucylpeptidases of malt, cabbage, and spinach. Jour. Biol. Chem. 130: 655-667. Oct. 1939.
- BERGER, J., and JOHNSON, M. J. Metal activation of peptidases. Jour. Biol. Chem. 130: 641-654. Oct. 1939.
- BURKHART, B. A. The electrometric determination of diastatic power of malts. Cereal Chem. 16: 652-657. Sept. 1939.
- BUSHNELL, C. A., and SABLES, W. B. Investigations upon the antigenic relationships among the root-nodule bacteria of the soybean, cowpea, and lupine cross-inoculation groups. Jour. Bact. 38: 401-410. Oct. 1939.
- CHRISTIANSEN, J. B., HALPIN, J. G., and HART, E. B. A possible relation between manganese, sunlight and winter hatchability of hen's eggs. Science 90: 356-357. Oct. 13, 1939. (J. B. Christiansen, Univ. Wis.)
- CLARK, N. The Wisconsin program of distributing hybrid seed corn. Corn Impr. Conf. Rpt. 2(1938): 5-7. 1939.
- DUFFEE, F. W. An electrical method for collecting semen from fur-bearing animals. Agr. Engin. 20: 349-350. Sept. 1939.
- ELLIKER, P. R., and FRAZIER, W. C. Factors affecting activity and heat resistance of Swiss cheese starter cultures. II. Influence of culture medium. Jour. Dairy Sci. 22: 821-830. Oct. 1939. (P. R. Elliker, Univ. Wis.)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Wisconsin (continued)

- ENGEL, R. W., and PHILLIPS, P. H. Fatty livers as a result of thiamin administration in vitamin B<sub>1</sub> deficiency of the rat and the chick. Jour. Nutrition 18: 329-338. Oct. 10, 1939.
- EVANS, R. J., and PHILLIPS, P. H. A new low fluorine diet and its effect upon the rat. Jour. Nutrition 18: 353-360. Oct. 10, 1939.
- FLUKE, C. L. New Syrphidae (Diptera) from Central and North America. Ann. Ent. Soc. Amer. 32: 365-375. June 1939.
- HART, E. B., BOHSTEDT, G., DEORALD, H. J., and WAGNER, M. I. The utilization of simple nitrogenous compounds such as urea and ammonium bicarbonate by growing calves. Jour. Dairy Sci. 22: 785-798. Oct. 1939.
- JOHNSON, L. M., PARSONS, H. T., and STEENBOCK, H. The effect of heat and solvents on the nutritive value of soybean protein. Jour. Nutrition 18: 423-434. Oct. 10, 1939.
- LARSON, R. H., and WALKER, J. C. A mosaic disease of cabbage. Jour. Agr. Research [U. S.] 59: 367-392. Sept. 1, 1939. (In Coop. with U. S. Dept. Agr.)
- LEOPOLD, A. (With G. W. WOOD, Waterloo, Iowa, J. H. BAKER, New York City, W. P. TAYLOR, Texas Expt. Sta., and L. G. MacNAMARA, Trenton, N. J.) Farmer-sportsman, a partnership for wildlife restoration. North Amer. Wildlife Conf. Trans. 4(1939): 144-192. 1939.
- RIKER, A. J., and BALDWIN, I. L. The efficiency of the poured plate technique as applied to studying bacterial plant pathogens. Phytopathology 29: 852-863. Oct. 1939.
- SEARLS, E. M. (With F. M. SNYDER, Univ. Wis.) Stock sprays - some comments and conclusions. Soap 15: 99, 101, 111, 113. March 1939.
- SNELL, E. E., and STRONG, F. M. A microbiological assay for riboflavin. Indus. and Engin. Chem. (Anal. Ed.) 11: 346-350. June 15, 1939.
- WALKER, J. C., and LARSON, R. H. Yellow dwarf of potato in Wisconsin. Jour. Agr. Research [U. S.] 59(4): 259-280. Aug. 15, 1939.
- WITZEL, S. A. The one-story dairy barn. Agr. Engin. 20: 395-397. Oct. 1939.

## Wyoming

- THIESSEN, E. J. Various fats used in deep-fat frying of dough mixtures at high altitudes. Food Research 4: 135-143. March-April 1939.



-----  
LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1939\*

Arizona

TATE, H. F. Grafting and budding fruit and nut trees. 20 p. illus.  
(Ariz. Agr. Col. Ext. Circ. 106.) Tucson, 1939.

California

PULLINGAME, B. B., and CORY, W. M. Orange county sugar beet cost study, 1938. Third annual summary. 7 p. Calif. Agr. Col. Ext. [1939] Berkeley. Mimeographed.

SULLIVAN, WALLACE, and WEILBERG, H. E. 1938 Orange county avocado production cost analysis including nine year summary, 1930-1938. 12 p. Calif. Agr. Col. Ext. [1939] Berkeley. Mimeographed

SULLIVAN, WALLACE, and CORY, W. M. Orange county lima bean cost analysis, 1938. Eleventh annual summary. 11 p. diagr. Calif. Agr. Col. Ext. [1939] Berkeley. Mimeographed.

SCHNEIDER, J. B., and ALCORN, G. B. A list of agricultural marketing programs in California under various federal and state laws July 1933 to August 1938. 25 p. Calif. Agr. Col. Ext. [1939] Berkeley. Mimeographed.

Florida

BELCHER, Clarine The clothing program for Florida 4-H club girls. Guide for demonstration I - Fundamentals in home sewing. 27 p. illus. (Fla. State Col. for Women, Ext. Circ. 42, rev.) Tallahassee, 1939.

MOORE, VIRGINIA P. Thrift room suggestions for Florida 4-H club girls. 19 p. illus. (Fla. State Col. for Women, Ext. Circ. 46.) Tallahassee, 1939.

BLECHER, CLARINE Clothing and textiles for the Florida rural family: Caring for the wardrobe. 19 p. illus. (Fla. State Col. for Women, Ext. Circ. 47.) Tallahassee, 1939.

BELCHER, CLARINE Clothing and textiles for the Florida rural family: The well-dressed 4-H club girl. 36 p. illus. (Fla. State Col. for Women, Ext. Circ. 48.) Tallahassee, 1939.

Indiana

PENCE, M. O. Essentials of alfalfa production. 8 p. illus. (Purdue Univ. Dept. Agr. Ext. Bul. 242.) Lafayette, 1939.

Iowa

MACY, L. K., and ALLBAUGH, L. G. Iowa farm business records, summary report for 1938. Average net farm income of Iowa record cooperators for 12 years. 25 p. diagrs. (Iowa State Col. Ext. F. M. 556.) Ames, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1939

## Iowa (continued)

- WELBORN, ROLAND, and FOLKEN, H. G. Land and man: Summarizing the 1939 reports of Iowa's county agricultural planning committees who look not only at the land but at the man who farms it.... (Iowa State Col. Ext. Iowa Farm Econ. v. 6, no. 4, p. 6-8, illus. Oct. 1939.) Ames.
- WILCOX, W. W., and CRICKMAN, C. W. The AAA in Iowa in 1939. (Iowa State Col. Ext. Iowa Farm Econ. v. 6, no. 4, p. 3-5, illus. Oct. 1939.) Ames.
- Rural leaders service: Catalog of program helps and organization guides for leaders of rural groups. 14 p. Iowa State Col. Ext. [1939] Ames.

## Kentucky

- JACKSON, W. E. Forestry project for 4-H clubs. First year- Tree planting. 16 p. illus. (Ky. Agr. Col. Ext. Circ. 334.) Lexington, 1939.
- HUNT, R. A., and BROOKS, J. B. Ventilation of tobacco barns. 19 p. illus. (Ky. Agr. Col. Ext. Circ. 335.) Lexington, 1939.
- KINNEY, E. J. Lessons on farm crops for 4-H club members. 175 p. illus. (Ky. Agr. Col. Ext. Circ. 336.) Lexington, 1939.
- ELLIOTT, N. R. Hedges - Uses, planting and care. 15 p. illus. (Ky. Agr. Col. Ext. Circ. 337.) Lexington, 1939.

## Massachusetts

- FRANDSEN, J. H., and GLICKSTEIN, MYER Ropy milk, its causes and prevention. 4 p. illus. (Mass. State Col. Ext. Leaflet 181.) Amherst, 1938.
- ENSMINGER, M. E. Fitting and showing beef cattle. 16 p. illus. (Mass. State Col. Ext. Leaflet 184.) Amherst, 1939.
- PAGE, ESTHER C. Slide fastener plackets. 8 p. illus. (Mass. State Col. Ext. Leaflet 185.) Amherst, 1939.
- COLE, W. R., and BISHOP, TENA 4-H club recipes for fruit & vegetable products. 12 p. illus. (Mass. State Col. Ext. Junior Ext. Leaflet 29.) Amherst, 1938.
- BISHOP, TENA Hike for health. 4 p. illus. (Mass. State Col. Ext. Junior Leaflet 30.) Amherst, 1938.
- FORBES, MARION H. The well-dressed 4-H girl. 8 p. illus. (Mass. State Col. Ext. Junior Ext. Leaflet 31.) Amherst, 1939.
- DAVIS, A. M. Garden pools. 4 p. illus. (Mass. State Col. Ext. Spec. Circ. 50.) Amherst, 1939. Mimeographed.
- To control rats. 2 p. (Mass. State Col. Ext. Spec. Circ. 51.) Amherst, 1939. Mimeographed.
- LOY, L. V. Games for clubs. 8 p. illus. Mass. State Col. Ext. [March 1939] Amherst. Mimeographed.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1939  
(continued)

Minnesota

- PETERS, W. H., and others. Dual purpose cattle. 16 p. illus. (Minn. Univ. Agr. Ext. Bul. 203.) University Farm, St. Paul, 1939.  
CHRISTOPHERSON, C. E. Insulating materials for farm buildings. 1 p. illus. (Minn. Univ. Agr. Ext. Agr. Engin. News Letter 91.) University Farm, St. Paul, 1939.

Missouri

- NAGEL, W. O., and CLARK, M. W. Improvement of farm ponds and watersheds for erosion control and wildlife protection. 12 p. illus. (Mo. Agr. Col. Ext. Circ. 392.) Columbia, 1938.  
KEMPSTER, H. L. Feeding baby chicks. 4 p. (Mo. Agr. Col. Ext. Circ. 395.) Columbia, 1939.  
ROBINSON, MARY E. Dry cleaning at home. 8 p. (Mo. Agr. Col. Ext. Circ. 396.) Columbia, 1939.  
TALBERT, T. J. Pruning apple trees. 16 p. illus. (Mo. Agr. Col. Ext. Circ. 397.) Columbia, 1939.  
TALBERT, T. J., and others. Spraying apples, peaches and cherries. 12 p. (Mo. Agr. Col. Ext. Circ. 402.) Columbia, 1939.  
HUFF, K. B. Loading livestock. 4 p. illus. (Mo. Agr. Col. Ext. Circ. 407.) Columbia, 1939.  
EWING, T. A., and CALL, FLORA L. Lamb and mutton on the farm. 23 p. illus. (Mo. Agr. Col. Ext. Circ. 408.) Columbia, 1939.  
McCORMICK, L. E. The planting and care of forest trees on Missouri farms. 12 p. illus. (Mo. Agr. Col. Ext. Circ. 409.) Columbia, 1939.  
WEAVER, L. A. Some causes of soft pork. 4 p. illus. (Mo. Agr. Col. Ext. Circ. 410.) Columbia, 1939.  
FLEETWOOD, J. R. Soybeans and winter barley in one-year rotation. 2 p. (Mo. Agr. Col. Ext. Leaflet 49.) Columbia, 1939.

New Hampshire

- KENDALL, J. C. Serving New Hampshire farms and homes: Annual report of Director of Cooperative extension work in agriculture and home economics, state of New Hampshire for the year 1938. 32 p. illus. (N. H. Univ. [Agr.] Ext. Bul. 56.) Durham, 1939.  
ELLIS, ELIZABETH, and SAMBORN, MARY L. Home canning guide. 18 p. illus. (N. H. Univ. [Agr.] Ext. Bul. 57.) Durham, 1939.  
DURGIN, R. C. Breeding for flock improvement. 16 p. illus. (N. H. Univ. [Agr.] Ext. Circ. 221.) Durham, 1939.

New Jersey

- DAVIS, PHYLLIS B. A natural approach to toilet training. 12 p. illus. (N. J. Agr. Col. Ext. Bul. 206.) New Brunswick, 1939. References, p. 12.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1939

## New Jersey (continued)

GARRETT, O. F. The production of good-flavored milk. 8 p. (N. J. Agr. Col. Ext. Bul. 207.) New Brunswick, 1939.

## New York

JENNINGS, B. A. Binder adjustments. 28 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 417.) Ithaca, 1939.  
Farm radio programs, fall, 1939, New York state college of agriculture at Cornell University, Ithaca, New York. 20 p. illus. N. Y. Agr. Col. (Cornell) Ext. [1939] Ithaca.

## North Carolina

MORROW, E. B. The farm and home garden manual. 20 p. illus. (N. C. Agr. Col. Ext. Circ. 122, (rev. reprint)) State College Station, Raleigh, 1939.

## Ohio

MINTON, ELSIE S., and others. Eighty-five ways of using apples. 32 p. illus. (Ohio Agr. Col. Ext. Bul. 202.) Columbus, 1939.

## Oregon

List of publications relating to dairy husbandry. 3 p. (Oreg. State Col. Ext. Circ. 336.) Corvallis, 1939. Mimeographed.  
DAVIS, EVERETT H. Farm water systems. 12 p. illus. (Oreg. State Col. Ext. Circ. 337.) Corvallis, 1939. Mimeographed.  
SCHUSTER, C. E. Miscellaneous nut crops. 4 p. (Oreg. State Col. Ext. Circ. 338.) Corvallis, 1939. Mimeographed.

## Pennsylvania

DICKEY, J. B. R. Fertilizing farm crops. 6 p. illus. (Pa. State Col. Ext. Circ. 208.) State College, 1938.  
MORTON, F. EDITH New chairs from old. 10 p. illus. (Pa. State Col. Ext. Circ. 209.) State College, 1938.  
MORTON, F. EDITH Slip covers. 14 p. illus. (Pa. State Col. Ext. Circ. 210.) State College, 1939.  
HOOD, JEAN Successful sandwich secrets. 10 p. illus. (Pa. State Col. Ext. Circ. 211.) State College, 1939.  
BENHAM, J. F., and DICKEY, J. B. R. How to reduce soil erosion losses by strip farming. 18 p. illus. (Pa. State Col. Ext. Circ. 212.) State College, 1939.  
HODGKISS, H. E. Protecting trees, plants, shrubs and lawns from the Japanese beetle. 8 p. illus. (Pa. State Col. Ext. Circ. 213.) State College, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1939

## Pennsylvania (continued)

- RANKIN, H. W., and BAUER, A. H. Controlling fire blight of apples and pears. 6 p. illus. (Pa. State Col. Ext. Circ. 214.) State College, 1939.
- KERNS, R. W. Better rural meetings. 14 p. illus. (Pa. State Col. Ext. Circ. 216.) State College, 1939.
- Swine judging. 4 p. illus. (Pa. State College Ext. Spec. Leaflet [unnumb.]) State College, 1938.

## Puerto Rico

- IGLESIA, E. N. Produccion de pollos para consumo. 13 p. illus. (P. R. Univ. [Agr.] Circ. de Ext. 19.) Rio Piedras, 1939.

## South Carolina

- SCHILLETTER, A. E., and COLE, T. A. Sweet potatoes for home use, suggestions for producing and banking the crop. 4 p. illus. (Clemson Agr. Col. (S. C.) Ext. Circ. 175.) Clemson, 1939.

## South Dakota

- HANSON, H. P., and MYERS, MAX Leasing and leases in South Dakota. 24 p. illus. (S. Dak. State Col. Ext. Circ. 383.) Brookings, 1939. References p. 22.
- COVERT, MARY A. It is smart to be thrifty: 4-H home life project. 14 p. (S. Dak. State Col. Ext. Mim. Circ. 195.) Brookings, 1938. Mimeographed.
- COVERT, MARY A. The friendly living room. 12 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 196.) Brookings, 1938. Mimeographed.
- WILDER, SUSAN Z. 4-H meal planning, luncheon - dinner unit. Homemaking, a job with a future. 66 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 197.) Brookings, 1938. Mimeographed.
- SWENSON, S. P., and others. The 1938 state hybrid corn yield tests. 23 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 200.) Brookings, 1939. Mimeographed.
- BANKERT, REX 1938 cooperative small grain demonstration plot results. 16 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 201.) Brookings, 1939. Mimeographed.
- COVERT, MARY A. Convenient, comfortable, cheerful kitchens. 9 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 206.) Brookings, 1939. Mimeographed.
- WILDER, SUSAN Z. 4-H food buying guide. 35 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 209.) Brookings, 1939. Mimeographed.
- WEBSTER, KATHRYN Christmas craft. 8 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 215.) Brookings, 1939. Mimeographed.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1939  
(continued)

## Tennessee

- MARTIN, G. E. Terrace outlet waterways. 16 p. illus. (Tenn. Agr. Col. Ext. Pub. 228.) Knoxville, 1939.
- KELLER, LILLIAN L. 4-H club sewing, unit I, Tennessee. Suggestions for 4-H club girls' clothing. 11 p. illus. (Tenn. Agr. Col. Ext. Spec. Circ. 95.) Knoxville, 1939. Mimeographed.
- KELLER, LILLIAN L. 4-H club sewing, unit IV, Tennessee. Suggestions for 4-H club girls' clothing, unit IV. 11 p. illus. (Tenn. Agr. Col. Ext. Spec. Circ. 98.) Knoxville, 1939. Mimeographed.
- JACOB, M. Internal parasites (worms) in poultry. 2 p. (Tenn. Agr. Col. Ext. Spec. Circ. 104.) Knoxville, 1939. Mimeographed.
- ROBINSON, J. S. Ewes for spring lamb and wool production, with management suggestions. 24 p. illus. (Tenn. Agr. Col. Ext. Spec. Circ. 105.) Knoxville, 1939. Mimeographed.
- MILTON, R. H. Demonstration discussion: Preparing red copper oxide. Cottonseed oil spray for controlling blue mold in tobacco seed beds, to be given by two club boys. 4 p. (Tenn. Agr. Col. Ext. Spec. Circ. 107.) Knoxville, 1939. Mimeographed.
- HOLMES, H. C. Some successful systems of renting land in Tennessee. 26 p. illus. (Tenn. Agr. Col. Ext. Spec. Circ. 109.) Knoxville, 1939. Mimeographed.

## Texas

- Food to protect the health of your family. 2 p. illus. Texas Agr. Col. Ext. [1939?] College Station.

## Vermont

- SOMMERFELD, EDNA Slide fasteners for modern plackets. 19 p. illus. (Vt. Agr. Col. Ext. Brieflet 528.) Burlington, 1939. Mimeographed.
- TARRANT, LYDIA A B C D G vitamins - Where they are found and why they are needed. 3 p. (Vt. Agr. Col. Ext. Brieflet 529, rev.) Burlington, 1939. Mimeographed.

## Washington

- Feeding and management of layers. The Poultry Council of the State College of Washington. 4 p. (Wash. State Col. Ext. Poultry Pointers no. 20, rev.) Pullman, 1939.

## West Virginia

- HUMPHREYS, GERTRUDE Homemakers stand for health. 6 p. illus. (W. Va. Agr. Col. Ext. Good Living Ser. VII, Lesson no. 5.) Morgantown, [1939]



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING OCTOBER 1939  
(continued)

Wisconsin

- WILSON, F. G. and others. Forestry in Wisconsin. 16 p. illus. (Wis. Agr. Col. Ext. Circ. 294.) Madison, 1939.  
Do we want smaller farms? 4 p. illus. (Wis. Agr. Col. Ext. Spec. Circ. v. 10, no. 9.) Madison, 1939.

Wyoming

- BOWMAN, A. E. Report twenty-five years extension work, 1914-1938. 32 p. illus. (Wyo. Agr. Col. Ext. Bul. 10.) Laramie, 1939.

- o - o - o - o - o -

LITERATURE SERVICE FOR CHEMISTS

The following article regarding the new literature service recently inaugurated by the Hooker Scientific Library, whereby microfilm or photostat copies will be supplied to chemists, is reprinted from Science, vol. 90, no. 2336, October 6, 1939:

"Beginning on October 1 the Hooker Scientific Library, Fayette, Missouri, inaugurated a new literature service for chemists. Dr. Julian F. Smith is leaving the du Pont Company, where he has been doing chemical literature work, to become associate director of the 'Friends of the Hooker Scientific Library,' of which Dr. Neil E. Gordon is director.

"Through Dr. Smith the library will offer translations and literature searches, backed by facilities for providing filmstat or photostat copies of any matter in the more than twenty thousand volumes comprising the collection. To his chemical education (B.S., Illinois 1916; M.S. California 1920; Ph.D., Chicago 1922) and his long experience in chemical literature work, Dr. Smith adds linguistic skill acquired by years of practice in translating from German, French, Spanish, Italian, Portuguese, Dutch, Scandinavian, Polish and Russian.

"The combination of a specialist in technical literature and one of the most comprehensive chemical libraries ever assembled is unique in chemical reference service. It offers an unprecedented opportunity to all chemists to have technical literature or patents clearly and accurately translated by a chemist, and to have the literature on any problem skillfully combed by an experienced searcher who is not hampered by language barriers.

"The Hooker Scientific Library will render these services at cost (on a self-supporting but not a profit basis) to members of the 'Friends of the Hooker Scientific Library.' The minimum fee for an individual life membership is \$10; for a permanent corporation or institutional membership, \$100. All who are interested are invited to write to Dr. Neil E. Gordon, Central College, Fayette, Missouri."

- o - o - o - o - o - o -

NOTES ON PERIODICALS

## New, Changed and Discontinued

- Alberta. Department of agriculture. Agricultural extension service. Bulletin. Edmonton. no. 1, Feb. 1939. irreg. il. 8°- 4° No price given.  
Some nos. are called Circular
- The American biology teacher. Published by the National association of biology teachers. N. Queen Street and McGovern Avenue, Lancaster, Pa. mo., Oct.-May. v. 1, no. 1, Oct. 1938. Annual membership, \$1.00, 80¢ of which is for subscription to the magazine.
- Argentine republic. Dirección de sanidad vegetal. Oficina de reconocimiento y control sanitario. Informativo. Rosario. irregular. f° no. 1, Mar. 25, 1939. Processed. No price given.
- Australia. Census and statistics. A summary of the dairying industry in Australia. Canberra. mo. (every third issue a quarterly statement) f° v. 1, no. 1, July 1937. No price given. Processed.
- Canadian nature. Whittemore publishing company, ltd., 177 Jarvis Street, Toronto, Ontario. bi-mo. il. 8° v. 1, no. 1, Sept./Oct. 1939. \$2.00
- Ceres; revista bi-mensal de divulgação de ensinamentos teóricos e práticos sobre agricultura, veterinária, indústrias rurais. E.S.A.V. Viçosa, Minas Gerais. il. 8° v. 1, no. 1, July/Aug. 1939. 25\$000
- Ciba review. Published by the Society of chemical industry, Basle, Switzerland (represented by Ciba company, inc., 627 Greenwich street, New York, N.Y.) mo. il. 8° no. 2, Oct. 1937. Price not found.
- Colombia. Universidad nacional, Bogota. Facultad nacional de agronomía. Revista. Medellín, Colombia, S.A. il. f° v. 1, no. 1, Aug. 1939. No price given.
- Consumer education. Published by the Institute for consumer education of Stephens College. Columbia, Mo. mo. except July-Sept. il. 4° v. 1, no. 1, Jan. 1, 1939. "Free to educators."
- Denver daily record stockman. Changed to The Record stockman with Oct. 5, 1939.
- The Farm journal of British Guiana. Published by the Department of agriculture. Georgetown. quar. il. 8° v. 3, no. 3, July 1939. Eight cents per annum.
- Farmers' banner. Official publication of the Texas agricultural association. 213 South 5th Street, Waco, Texas. semi-mo. f° il. v. 1, no. 9. Mar. 1, 1936. 50 cents a year.
- Michigan beekeeper. Official publication Michigan beekeepers' association, 406 E. St. Joseph St., Lansing. bi-mo. il. 8° v. 1, no. 1, Aug. 1938. 50 cents a year.
- National nurseryman. Hatboro, Penn. Ceased with v. 47, no. 9, Sept. 1939. Absorbed by American nurseryman, Chicago, Oct. 1, 1939.
- The Planters gazette and annual. 109 Park street, Calcutta, India. mo. il. 4° v. 1, no. 1, Mar.? 1939. 15 shillings
- Radio varieties. 1056 W. Van Buren Street, Chicago. mo., except July-Aug. il. 4° v. 2, no. 7, Oct. 1939. \$1.00 a yr. Absorbed (?) Rural radio, Nashville.
- São Paulo, Brazil (State). Directoria de estatística, indústria e comércio. Secção de comércio interno e externo. Comércio de cabotagem pelo porto de Santos. Boletim mensal. São Paulo. 80 May 1939 (covering Jan.-May) No price given.

NOTES ON PERIODICALS

News, Changed and Discontinued  
(continued)

- The Social frontier. New York. Changed to Frontiers of democracy with v. 6, no. 47. Oct. 1939.
- Taxonomic index. Issued by the New York botanical garden for the American society of plant taxonomists. Address not given. mo. f<sup>o</sup> v. 1, no. 10, Oct. 1938. No price found. Processed.
- La Vida rural. Apartado 12-45. Bogota. mo. il. f<sup>o</sup> ano 1, no. 1, Aug. 1939. Un año \$1.50.
- The Ways of economics. Tel-Aviv, Palestine, 99, Dizengoff Street, P. O. Box 133. Monthly journal. il. 4<sup>o</sup> Aug. 1939 (no. 6?) Journal covers general economics, finance & credit, industry and commerce, agriculture, insurance. Hebrew text. Added title and table of contents in English. Annual subscription \$6.00; single copies 60¢.
- Wisconsin dairyman's news. Changed to Dairyland news with v. 9, no. 7, Apr. 10, 1939.
- O Zebú. Publicação da Sociedade rural do Triangulo Mineiro. Uberaba, Brazil. il. 4<sup>o</sup> año 1, no. 1, Aug. 1939. Price and frequency not found.
- Zeitschrift der desinfektoren und laboranten. Berlin. Ceased with jahrg. 13, Dec. 1938. Absorbed by Der Praktische desinfektor, Jan. 1939.

- o - o - o - o - o - o -

EXCHANGES

The Library of the U. S. Department of Agriculture has duplicates of the following volumes of the Agricultural Gazette of New South Wales:

Volumes 1-25, 1890-1914. Bound in half leather. Some of the volumes are in poor condition, and volume 7 is missing but may later be found.

Volumes 26-48, 1915-1937. Unbound. A few numbers are missing. Author and subject index to volumes 1-24.

The Library also has a number of duplicates of State planning boards and a number of duplicate theses.

Further details will be furnished any library interested in obtaining them. Address Librarian, U. S. Department of Agriculture, Washington, D. C.

- o - o - o - o - o - o -



SELECTED LIST OF PROCESSED PUBLICATIONS  
of the U. S. Department of Agriculture  
received during September 1939, exclusive of bibliographies\*  
and current issues of serials.\*\*

Agricultural Adjustment Administration

Flue-cured tobacco questions and answers. 1939. 5 p. Issued by East Central division. 1.42 Ea7F1

Flue-cured tobacco situation. 1939. 3 p. Issued by East central division. 1.42 Ea7Flu

New rules for foods and drugs. An interpretation of the provisions in the new law protecting the nation's food, drug, and cosmetic supplies. 8 p. (CS-84) 1.94 Aa422Cs

Bureau of Agricultural Economics

Agricultural outlook charts. 1940. Demand, credit, and prices. Oct. 1939. 32 p. 1.9 Ec70de

Agricultural outlook charts. 1940. Farm family living. Oct. 1939. 33 p. Issued by the Bureau of Agricultural economics and the Bureau of home economics. 1.9 Ec70fa

Agricultural outlook charts. 1940. Hogs. Oct. 1939. 19 p. 1.9 Ec70hc

Agricultural outlook charts. 1940. Sheep, lambs, and wool. Oct. 1939. 24 p. 1.9 Ec70lc

Cotton during the world war and in the 1939 European war. 12 p. 1.941 H2C82

Dairy products: the World war and the 1939 European war. 1939. 7 p. 1.941 H2D14

The effects of population mobility upon regional and national development in the United States. By Carl C. Taylor, Division of farm population and rural welfare. Address before the National conference of social work, Buffalo, New York, June 19, 1939. 9 p. 1939. 1.9 Ec763E

Fats and oils: the World war and the 1939 European war. 1939. 12 p. 1.941 H2F26

---

\*Bibliographies included in general list of bibliographies on page 613.

\*\*For a list of the principal series issued regularly, see Agricultural Library Notes, vol.9, no.10, p.354.

SELECTED LIST OF PROCESSED PUBLICATIONS

## Bureau of Agricultural Economics (continued)

Fruits: the World war and the 1939 European war. 1939. 19 p. 1.941 H2F94

Income parity for agriculture. Pt. I. Farm income. Sect. 9. Income from oats and barley. Calendar years 1910-38. Aug. 1939. 143 p.  
1.9 Ec7Inp

Livestock: the World war and the 1939 European war. 1939. 13 p.  
1.941 H2L75

The national implications of land use problems. Address delivered by Bushrod W. Allin at Agricultural policy conference during Farmers' and homemakers' week at Durham, N. H., Aug. 16, 1939. 16 p.  
1.941 L3N21

Organization and crop production practices on grain farms in selected areas of the Pacific northwest. By R. S. Washburn. 1939. 83 p.  
1.941 L6Or3

Sorting and sampling farms for soil conservation research. By Neil W. Johnson. 1939. 11 p. 1.941 L6So3

Trends in livestock slaughter. By Knute Bjorka. 1939. 29 p. 1.941 M1L75

## Agricultural Marketing Service

Effects of variations in design of gin-saw teeth on lint quality and ginning efficiency. By William J. Martin and Victor L. Stedronsky. 1939. 25 p. In cooperation with Bureau of agricultural chemistry and engineering. 1.942 C5Ef3

Potatoes: method of determining sales weights and average local market prices. Oct. 11, 1939. 4 p. (CRP-4) 1.9 Ec71Crp

Proposed rules and regulations for the administration of the Federal seed act. 1939. 39 p. 1.942 S3P94

Rules and regulations (as amended) of the Secretary of agriculture governing the grading and certification of canned fruits and vegetables under an act of Congress approved June 30, 1939 (Public no. 159, 76th Congress). 1939. 25 p. 1.942 F5R86

Should net-weight trading and standards for tare be adopted for American cotton? By John W. Wright. 1939. 21 p. 1.942 C32T17

Tentative United States standards for grades of frozen lima beans. Effective September 15, 1939. 1939. 6 p. 1.942 V32L62

SELECTED LIST OF PROCESSED PUBLICATIONS

## Agricultural Marketing Service (continued)

Truck receipts of fresh fruits and vegetables at 12 important markets for calendar years 1938 and 1937 stated in car-lot equivalents by months for 1938 and totals for 1938 and 1937. Sept. 1939. 71 p. 1.9 Ec741Tf

Turkeys, farm production and disposition, 1929-1938. Turkeys on farms January 1, 1929-1939. By states. 1939. 27 p. 1.942 D22T84

U. S. Standards for shelled English walnuts (*Juglans regia*) Effective September 30, 1939. 1939. 6 p. 1.942 N32W16

U. S. Standards for shelled Virginia type peanuts (effective November 1, 1939) 1939. 6 p. 1.942 N32P313

## Bureau of Animal Industry

American breed record associations. Issued Apr. 1934; revised Oct. 1939. 1 p. (A.H.D. no. 3(revised) 1.9 An52Ah

Conference on the National poultry improvement plan in Cleveland, Ohio. June 6-9, 1939. 110 p. 1.9 An525Con

State participation in the National poultry improvement plan. Sept. 15, 1939. 5 p. (A.H.D. no. 25 (revised) 1.9 An52Ah

## Bureau of Dairy Industry

A preliminary summary and analysis of the records of 16 dairy farms in Louisiana. By the Bureau of dairy industry and the Bureau of agricultural economics, U. S. Dept. of agriculture in cooperation with the Louisiana State university and Agricultural and mechanical college. 1939. 20 p. (BDIM-864) 1.9 D14Bd

## Bureau of Entomology and Plant Quarantine

Control of the gladiolus thrips on corms during storage. By C. A. Weigel and R. H. Nelson. Oct. 1939. 4 p. (E-490) 1.9 En83

A field method for the chemical evaluation of spray deposits resulting from the application of insecticides for control of the codling moth. By Jack E. Fahey and Harold W. Rusk. Sept. 1939. 9 p. (E-491) 1.9 En83

The laboratory-field method for testing codling moth insecticides. By L. F. Steiner. Sept. 1939. 10 p. (E-488) 1.9 En83



-----  
SELECTED LIST OF PROCESSED PUBLICATIONS

Bureau of Entomology and Plant Quarantine (continued)

A method for testing the value of chemical mixtures as repellants of the Gulf coast tick. By Arthur L. Brody. Oct. 1939. 4 p. (ET-152) 1.9 En83Et

Farm Security Administration

Facts about Arthurdale homesteads. Aug. 1939. 4 p. 1.95 F11

Gee's bend project of the Farm security administration. 1939. 5 p.  
1.95 F11

Irwinville farms project of the Farm security administration. 1939.  
31 p. 1.95 F11

Office of Foreign Agricultural Relations

Cotton production in southern Brazil. By P. K. Norris. Issued May 1935;  
revised Sept. 1939. 1939. 17 p. (F.S. 63 Revised) 1.9 Ec752

Tobacco production and consumption in India and Burma. By J. Barnard  
Gibbs. Issued October 1939. 75 p. (F.S.-79) 1.9 Ec752

Forest Service

American woods. Western white pine (*Pinus monticola*) by H. S. Betts.  
July 1939. 5 p.; American woods. Sitka spruce (*Picea sitchensis*)  
by H. S. Betts. Aug. 1939. 6 p.; American woods. Black locust  
(*Robinia pseudoacacia*) by H. S. Betts. Aug. 1939. 5 p. 1.9 F76Am

The Christmas tree industry of western Montana. By E. F. Rapraeger.  
1939. 4 p. (Forest industries of the inland empire, no. 1) Issued  
by the Northern Rocky mountain Forest and range experiment station.  
Missoula, Montana. 1.9622 N3F76

Forest resources of the south Arkansas delta. By R. K. Winters; a pro-  
gress report by the Southern forest survey. 1939. 24 p. (Forest  
survey release no. 46) Issued by the Southern Forest experiment station,  
New Orleans, La. 1.9 F7624F

A method for inventorying planting stock in forest nurseries. By R. A.  
Chapman. 1939. 9 p. (Occasional paper no. 86) Issued by Southern  
Forest experiment station, New Orleans, La. 1.9 F7624O

Overgrazing increases production costs by reducing number and weight  
of range calves. By Leon C. Hurtt. 1939. 2 p. (Applied forestry  
notes no. 92) Issued by the Northern Rocky mountain forest and  
range experiment station, Missoula, Montana. 1.9 F7628A

-----  
SELECTED LIST OF PROCESSED PUBLICATIONS

Forest Service (continued)

Production of lumber, lath, and shingles in Idaho and Montana, 1938.  
By C. N. Whitney. 1939. 3 p. (Applied forestry notes no. 91)  
Issued by the Northern Rocky mountain forest and range experiment  
station, Missoula, Montana. 1.9 F7628A

Volume and yield of northern white cedar in the lake states. A progress  
report. By S. R. Gevorkiantz and William A. Duerr. 1939. 55 p.  
Issued by the Lake States Forest experiment station, St. Paul,  
Minnesota. 1.9622 L2V88

Division of Marketing and Marketing Agreements

Teamwork in dairy marketing. Address by Dr. E. W. Gaumnitz, director,  
before annual meeting of the New England Milk Producers' Association,  
Boston, Mass. Oct. 31, 1939. 18 p. 1.944 A2G23

- o - o - o - o - o -

UNCLAIMED BOOKS

The following books, which bear no indication of ownership, have been re-  
ceived by the Department Library. Inquiry may be made of Miss Hawks, Room  
1052 South Building (Telephone extension 6026):

Bailey, L.H. The standard cyclopedia of horticulture.  
Vol.2. 1933

U.S.Dept. of the interior. Bureau of reclamation.

Final report Colorado-Big Thompson project plan of  
development and cost estimates. April 1937

This is a typewritten volume in a binder. On cover  
is label saying: Special 301. Transmountain-Colorado-  
Big Thompson. Copy 3

- o - o - o - o - o -





614a  
41.4

# AGRICULTURAL LIBRARY NOTES

## CONTENTS

Vol. 14

December 1939

No. 12

Principal Library Accessions.....	601
Bibliographies and Lists.....	611
Publications by U. S. Department of Agriculture Workers appearing outside the Department.....	612
Translations.....	619
Articles by State Agricultural Experiment Station Workers.....	621
Notes on Periodicals.....	631
1939 Yearbook of the U. S. Department of Agriculture.....	632
List of State Extension Publications.....	633
Selected List of Processed Publications of the U. S. Department of Agriculture.....	640
"International Journal of Agrarian Affairs".....	644
"The Advancement of Science" - A New Quarterly Publication of the British Association for the Advancement of Science.....	646

ISSUED MONTHLY  
BY THE  
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY  
WASHINGTON  
D. C.



# AGRICULTURAL LIBRARY NOTES

Vol. 14

December 1939

No. 12

## PRINCIPAL LIBRARY ACCESSIONS\*

### Aeronautics

HIRTH, W. The art of soaring flight. Translated from the German by Naomi Heron-Maxwell. Stuttgart, Hirth, 1938. 353 H61

### Agriculture

AGRICULTURE in the twentieth century; essays on research, practice, and organization to be presented to Sir Daniel Hall. Oxford, Clarendon press, 1939. 30.4 Ag8

VUIGNER, R. L'exploitation de la terre en France. v. 2. Paris, Baillière, 1939. (Encyclopédie agricole, publiée sous la direction de G. Wery) 33.17 V97E v.2

### Apiculture

EWERT, R. Die Honigbiene als wichtigste Gehilfin im Frucht- und Samenbau. Leipzig, Leipziger Bienenzeitung, Liedloff, Loth & Michaelis [1938?] (Ich dien! Reihe 3, Buch 6) 424 Ew3

FRANÇON, J. L'esprit des abeilles, Nrf. Paris, Gallimard, 1938. 424 F842

HARKER, L. S. Blazing the trail, reminiscences of A. Z. Abushady, poet - bee-master - humanist. London, C. W. Daniel, 1938. 424 H222

MEXICO. DEPARTAMENTO DE INDUSTRIAS ANIMALES. Curso corto de apicultura. San Jacinto, [1938?] 424 M57

### Authorship

BRINTON, W. C. Graphic presentation. New York City, Brinton associates, 1939. 238 B77G

REEDER, W. G. How to write a thesis. Bloomington, Ill., Public school publishing company, 1930. 238 R25 1930

### Biography

NOCK, A. J. Henry George: an essay. New York, Morrow, 1939. 120 G292N  
SOCIAL SCIENCE RESEARCH COUNCIL. Fellows of the Social science research council, 1925-1939. New York, 1939. 119 Sol

VERNON KELLOGG, 1867-1937. Washington, Anderson house, 1939. 120 K293

### Botany

CROP PROTECTION INSTITUTE. Administration of the Crop protection institute. [Washington?] 1938. 464.9 C88A

---

\* Requests sent to the Library for the loan of items in this list should include the call number following the entry.



PRINCIPAL LIBRARY ACCESSIONS

## Botany (continued)

- CRUZ, M. de la. The de la Cruz-Badiano Aztec herbal of 1552; translation and commentary by W. Gates. Baltimore, 1939. (The Maya society, Publication no. 23) 452.2 C88
- KUHMER, R. Le genre *Mycena* (Fries) étude cytologique et systématique des espèces d'Europe et d'Amérique du Nord. Paris, Lechevalier, 1938. (Encyclopédie mycologique. X) 462.02 K95
- LAUFER, B. The American plant migration. Prepared for publication by C. Wilbur. v. 1. Chicago, 1938. (Anthropological series. Field museum of natural history, v. 28, no. 1) 452.8 L36
- QUICK, A. C. Wild flowers of the northern states and Canada. Chicago, Donohue, 1939. 454 Q4
- VESTAL, P. A. and SCHULTES, R. E. The economic botany of the Kiowa Indians as it relates to the history of the tribe. Cambridge, Mass., Botanical museum, 1939. 455 V63

## Chemistry, Pharmacy

- FALES, H. A. and KENNY, F. Inorganic quantitative analysis. New ed. New York, Appleton-Century, 1939. 387 F182 1939
- KARRER, P. Lehrbuch der organischen chemie. Ed. 6. Leipzig, Thieme, 1939. 386 K14
- TONGUE, H. A practical manual of chemical engineering. London, Chapman & Hall, 1939. 388 T61
- WATERS, W. A. Physical aspects of organic chemistry. New York, Van Nostrand, 1937. 386 W31 Ed.2

## Credit Unions

- MacISAAC, J. Credit unions. Antigonish, N.S., Extension department, St. Francis Xavier university, 1938. 284.2 M18
- SNIDER, J. L. Credit unions in Massachusetts. Cambridge, Harvard university press, 1939. (Publications of the Pollak foundation for economic research. no. 14) 284.2 Sn3

## Dairy Products

- ROSELL, J. M. Fromages à la crème et autres fromages. Ed. 2. [Quebec?] Ministère de l'agriculture de la province de Québec, 1938. 44 R723 Ed.2

## Description and Travel

- FEDERAL WRITERS' PROJECT. NORTH CAROLINA. North Carolina, a guide to the old north state. Chapel Hill, University of North Carolina press, 1939. (American guide series) 125 F312Nor

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Directories

INTERNATIONAL INSTITUTE OF AGRICULTURE. Les institutions de génie dans le monde. International directory of agricultural engineering institutions. Rome, 1939. 225 In88 Ed. 5

QUEBEC (PROVINCE) SERVICE OF DAIRY INDUSTRY. Liste des fabriques de produits laitiers au 5 juillet 1938. [Quebec? 1938?] 225 Q3

Domestic Animals

JUDY, W. L. Training the dog. Ed. 5. Chicago, Judy, 1937. 48 J92T Ed.5  
LIPPINCOTT, W. A. Poultry production. Ed.6. Philadelphia, Lea & Febiger, 1939. 47 L66 Ed.6

SWAPP, R. R. Beef cattle, their feeding and management in the corn belt states. Ed. 3. New York, Wiley, 1939. 43 Snl Ed.3

Economics

BARKER, C. W. and ANSHEN, M. Modern marketing. New York, McGraw-Hill, 1939. 280.3 B24

BROCKWAY, T. P. Battles without bullets, the story of economic warfare. New York, Foreign policy association, 1939. (Headline books. no. 18) 280 B783

BUENOS AIRES (CITY). DIRECTORIA DEL MERCADO DE CEREALES A TERMINO. Estatutos y relamento. Buenos Aires, 1934. 280.3599 B86

CHERNE, L. M. Adjusting your business to war. New York, Tax research institute of America, 1939. 280.12 C42

COWLING, E. A short introduction to consumers' cooperation. Antigonish, N.S., Extension department, Saint Francis Xavier university, 1937. 280.2 C832 1937

CRONIN, J. F. Economics and society. New York, American book company, 1939. 280 C882

DAILY TELEGRAPH AND MORNING POST, LONDON. Dominion of Canada supplement. London, 1939. folio3 280.13 D14

FEDERAL WRITERS' PROJECT. Our federal government and how it functions. New York, Hastings house, 1939. (American guide series) 280.12 F31

GALLOWAY, G. B. The imperative of planning. Presented at the Institute of human relations, Chapel Hill, North Carolina, April 5, 1939. [Chapel Hill? N.C.] 1939. 280.12 G13

GOETZ, D. and FRY, V. The good neighbors, the story of the two Americas. New York, Foreign policy association, 1939. (Headline books. no. 17) 280 G55

GOODFELLOW, D. M. Principles of economic sociology: the economics of primitive life as illustrated from the Bantu peoples of South and East Africa. London, Routledge, 1939. 280.193 G61

PRINCIPAL LIBRARY ACCESSIONS

## Economics (continued)

- GRANT, M. Old-age security, social and financial trends. Washington, Committee on social security, Social science research council, 1939. 284.6 G762
- GREENWICH, CONN. COMMITTEE ON TOWN GOVERNMENT REORGANIZATION. Report. Greenwich, Conn., 1939. 280.013 G85
- HOORNAERT, M. La politique des prix imposés, le fonds de commerce et l'article de marque; étude économique et juridique. Bruxelles, Larcier, 1939. 284.3 H76
- HOROWITZ, D. and HINDEN, R. Economic survey of Palestine with special reference to the years 1936 and 1937. Tel-Aviv, Economic research institute of the Jewish agency for Palestine, 1938. 280.185 H78
- HULEN, B. C. Inside the Department of state. New York, McGraw-Hill, 1939. 280.12 H872
- LANGSAM, W. C. In quest of empire, the problem of colonies. New York, The Foreign policy association, 1939. (Headline books. no. 19) 282.2 L26
- LENIN, V. I. New data for V. I. Lenin's "Imperialism, the highest stage of capitalism." Ed. by E. Varga, L. Mendelsohn. New York, International publishers, 1939. 280. L543
- LIPPE-WEISSENFELD, K.-B., prince zur. Modern ideologies and American democracy. San Francisco, Hansen, 1939. 280 L663
- LYON, L. S., WATKINS, M. W., and ABRAMSON, V. Government and economic life. Washington, Brookings institution, Publication no. 79) 280.12 L99G
- MEYERS, A. L. Elements of modern economics. New York, Prentice-Hall, 1939. (Prentice-Hall economics series) 280 M572
- POPPER, D. H. The puzzle of Palestine. New York, Foreign policy association, 1938. (Headline books. no. 14) 280.185 P81
- SAUVY, A. Essai sur la conjoncture et la prévision économiques. Paris, Centre polytechnicien d'études économiques, 1938. (Document no. 8, cycle 1937-1938. Editions du Centre polytechnicien d'études économiques) 280 Sa8
- Sears, P. B. Life and environment; the interrelations of living things. New York, Bureau of publications, Teachers college, Columbia university, 1939. (The Science in modern living series) 280 Se12L
- SOCIAL AND ECONOMIC RESEARCH GROUP. The key to the economic riddle, equalization and stabilization of raw material barter credit. Glen Ellyn, Ill., 1939. 280.12 Se12
- THORNTON, J. E., comp. Science and social change. Washington, Brookings institution, 1939. 280 T323
- THE TIMES, London. Canada number, No. 48,305, May 15, 1939. London, 1939. folio 3 280.13 T48
- United States number, No. 48,326, June 8, 1939. London, 1939. folio 3. 280.12 T48



PRINCIPAL LIBRARY ACCESSIONS

## Economics (continued)

- WASHINGTON (STATE) LAWS, STATUTES, ETC. Laws relating to unemployment compensation and placement, State of Washington. Olympia, 1939. 284.6 W27
- WASHINGTON (STATE) OFFICE OF UNEMPLOYMENT COMPENSATION AND PLACEMENT. Washington's unemployment compensation program. Olympia, 1939. 284.6 W727
- WOLFE, H. C. Human dynamite, the story of Europe's minorities. New York, Foreign policy association, 1939. (Headline books. no. 20) 280.17 W83

## Economics, Agricultural

- BAKER, O. E., BORSODI, R., and WILSON, M. L. Agriculture in modern life. New York, Harper, 1939. 281.12 B17
- BELL, A. Men and the fields. New York, Scribner, 1939. 281.2 B41
- GHIMPU, V. Agricultura pe campul international. Bucuresti, "Pagini agrare si sociale" [1929?] 281 G342
- HORNE, B. C. El aspecto social en los planes agrarios. Primer Congreso internacional agrario y de colonizacion (plan) Buenos Aires, 1938. (Extracto de Anales de colonizacion, organo oficial de la Camara Argentina de colonizacion.) 281 H78
- INTERNATIONAL WOOD CONFERENCE. 13th, Paris, 1937. XIII<sup>e</sup> Conférence lainière internationale, Paris. Paris, Le Comité central de la laine, 1937. 286.3459 In8 13th
- MALOTT, D. W. and MARTIN, B. F. The agricultural industries. New York, McGraw-Hill, 1939. 281.12 M29
- MONTAGUE, T. G. Is there a milk monopoly? New York?, 1939. 281.344 M76
- NORTH DAKOTA. AGRICULTURAL EXPERIMENT STATION, Fargo. Statistical analysis of land ownership in North Dakota in 1935. By S. Wilner and R. L. Schafer. Fargo, 1939. 282.065 N81
- PROGRESSIVE FARMER AND SOUTHERN RURALIST. How southern farm families spend their money, a consumer purchase survey projection. [New York? 1939?] 284.4 P94
- SOUTH AFRICA. BOARD OF TRADE AND INDUSTRIES. The dairy industry. Cape Town, 1927. (Report no. 81) 281.344 So83
- STRANGE, H. G. L. The international situation as it affects the Canadian wheat industry. Winnipeg, 1939. 286.359 St8
- WADHAM, S. M. and WOOD, G. L. Land utilization in Australia. Melbourne, Melbourne university press in association with Oxford university press, 1939. 282.1992 W11

## Employment Management

- HARBISON, F. H. The seniority principle in union-management relations. Princeton, N. J., 1939. (Industrial relations section, Department of economics and social institutions, Princeton university. Report no. 57) 249.3 H21

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Entomology

- MARLBOROUGH COLLEGE, Marlborough, England. NATURAL HISTORY SOCIETY.  
Handlists of the fauna and flora of the Marlborough district (10 miles radius) 4 numbers. Marlborough, 1925. Reprinted from its Report no. 84, 87; Supplement to [no. 1], reprinted from its Report no. 83.  
422.4 M34
- RUWENZORI EXPEDITION, 1934-35. Ruwenzori expedition, 1934-35. v. 1, pt. 1-5, v. 2, pt. 3; v. 3, pt. 1-5. London, British museum, 1939.  
422.7 R94

Field Crops

- GEITH, R. Grünlandfibel. Ed. 2. Berlin, Reichsnährstand verlags-ges., 1936. (Arbeiten des Reichsnährstandes. bd. 13) 60 G27
- STAPLEDON, Sir R. G. The plough-up policy and ley farming. London, Faber and Faber, 1939. 60 St2
- TURKEY, DIRECTION GÉNÉRALE DES MONOPOLES D'ÉTAT DE TURQUIE. The tobacco affairs, edited and published by the state monopolies of Turkey. Istanbul, 1939. 69 T842

Finance

- GROVES, H. M. Financing government. New York, Holt, 1939. 284 G91
- ILLINOIS. TAX COMMISSION. Survey of local finance in Illinois. v. 1. Chicago, 1939. folio 3 284 I165
- MARTIN, R. The financial relationship of the state and the towns. By R. Martin, executive secretary, Connecticut League of municipalities. [Manchester? Conn.] 1938. 284 M364

Food, Cookery

- BACHARACH, A. L. Science and nutrition. London, Watts, 1938. 389.1 B12
- BOGERT, L. J. Nutrition and physical fitness. Ed. 3. Philadelphia, Saunders, 1939. 389.1 B63 Ed.3
- BRITISH MEDICAL ASSOCIATION. Nutrition and the public health. Proceedings of a national conference on the wider aspects of nutrition. London, 1939. 389.9 B772
- CONGRÈS SCIENTIFIQUE INTERNATIONAL DE L'ALIMENTATION. 2nd. Paris, 1937. La science de l'alimentation en 1937; rapports présentés par E. J. Bigwood, Et. Burnet, H. Cheftel [et autres]. v. 1. Alençon, Imprimerie alençonnaise, 1938. 389.9 C76002
- FREDERICK, J. G. Long Island seafood cook book. New York, Business bourse, 1939. 389.25 F872
- GT. BRIT. ECONOMIC ADVISORY COUNCIL. COMMITTEE ON NUTRITION IN THE COLONIAL EMPIRE. Report. London, 1939. (Parliament. Papers by command. Comd. 6050-6051) 389.1 G797

-----  
PRINCIPAL LIBRARY ACCESSIONS

Food, Cookery (continued)

- HART, C. C. Recipes at moderate cost, for school, institution, and commercial food service. New York, Crofts 1938. (Crofts textbooks on institution administration for home economics students) 389.253 H25  
MAZZA, Mrs. I. G. Herbs for the kitchen. Boston, Little, Brown, 1939. 389.25 M452  
ROSE, Mrs. M. D. S. and BOSLEY, B. Our cereals; a nutrition unit for the fourth, fifth, and sixth grades of the elementary school. New York, Teachers college, Columbia university, 1938. 389.1 R720  
SHRADER, J. H. Food control, its public-health aspects. New York, Wiley, 1939. 389 Sh8

Forestry

- ARMER, Mrs. L. A. Farthest west. New York, Longmans, Green, 1939. 99.5 Ar5  
GUISE, C. H. The management of farm woodlands. N.Y., McGraw-Hill, 1939. (American forestry series) 99.55 G94  
ILLICK, J. S. An outline of general forestry. Ed. 3. New York, Barnes and Noble, 1939. 99 Il6 Ed. 3  
LEMMEL, H. Die organismusidee in Möllers Dauerwaldgedanken. Berlin, Springer, 1939. 99.55 L54  
NEUDAMMER FORSTLICHES LEHRBUCH. Ed. 9. Neudamm, Neumann, 1939. 99 Sch9N Ed.9  
PERRY, J. and SLAUSON, C. Forestry and lumbering. New York, Longmans, Green, 1939. (America at work) 99.12 P42

Geography, Economic

- CARTER, W. H. and DODGE, R. E. Economic geography. New York, Doubleday, Doran, 1939. 278 C24

Geology

- HUME, G. S. The stratigraphy and structure of Turner valley, Alberta. Ottawa, 1939. (Canada, Geological survey. Paper 39-4) 401 H882

Horticulture

- ADRIANCE, G. W. and BRISON, F. R. Propagation of horticultural plants. New York, McGraw-Hill, 1939. (McGraw-Hill publications in the agricultural sciences) 90.11 Ad8P  
CONGRESO FRUTICOLA. 4th, San Juan, 1936. IVº Congreso fruticola de San Juan, 1936. Buenos Aires, Direccion de propaganda y publicaciones, 1939. 93.09 C7623 4th



-----  
PRINCIPAL LIBRARY ACCESSIONS

Horticulture (continued)

- QUINN, V. Stories and legends of garden flowers. New York, Stokes, 1939.  
90.54 Q4  
THOMPSON, H. C. Vegetable crops. Ed. 3. New York, McGraw-Hill, 1939.  
McGraw-Hill publications in the agricultural sciences) 91 T372 Ed. 3

Library Economy

- LAURENT, E. V. Legislative reference work in the United States. Chicago,  
Council of state governments, 1939. 243.3 L37

Machinery

- MACHINERY'S handbook for machine shop and drafting-room. By E. Oberg and  
F. D. Jones. Ed. 10. New York, Industrial press, 1939. 291 M182 Ed.10

Mathematics

- JEFFREYS, H. The law of error and the combination of observations.  
London, Cambridge university press, 1938. (Philosophical transac-  
tions of the Royal society of London. Ser. A. Mathematical and  
physical sciences, no. 777, v. 237) 325 J37

Medicine

- HUDDLESON, I. F. Brucellosis in man and animals. New ed. New York,  
Commonwealth fund, 1939. 448 H863 1939

Museums

- COLEMAN, L. V. The museum in America. Washington, American association  
of museums, 1939. 310.2 C67M

Parasites, Protozoology

- CARPENTIER, G. Parasites et maladies parasitaires des équidés domes-  
tiques à l'usage des vétérinaires métropolitains et coloniaux. Paris,  
Vigot, 1939. 436 C22  
KUDO, R. Protozoology. Enlarged edition of Handbook of protozoology.  
Springfield, Ill., Thomas, 1939. 439 K95 Ed.2

Patents

- RANDALL, M. and WATSON, E. B. Finding list for United States patent,  
design, trade-mark, reissue, label, print, and plant patent numbers.  
Berkeley, Calif., University of California press, 1938. 311 R15

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Photography

SPENCER, D. A. Colour photography in practice. London, Pitman, 1938.  
332 Sp3

Planning

MISSOURI. STATE PLANNING BOARD. WATER RESOURCES COMMITTEE. A state plan for Missouri. Water plan, 1938. Jefferson City, Mo., 1938.  
280.7 M6932

Roads

JOINT COMMITTEE ON ROADSIDE DEVELOPMENT OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS AND THE HIGHWAY RESEARCH BOARD. Roadside development; reports at the 18th annual meeting. Washington, 1939.  
288 J66R 1939

Statistics

CROXTON, F. E. and COWDEN, D. J. Applied general statistics.. New York, Prentice-Hall, 1939. 251 C882A  
TRELOAR, A. E. Elements of statistical reasoning. New York, Wiley, 1939. 251 T71

Taxation

NEW JERSEY STATE CHAMBER OF COMMERCE. Do new taxes relieve the tax burden on real estate? The experiences of nine states, prepared by the Department of Governmental research. Newark, N.J., 1939. 284.5 N464  
STOCKWELL, M. M. Studies in California state taxation 1910-1935. Berkeley, Calif., 1939. (Publications of the University of California at Los Angeles in social sciences, v. 7) 284.5 St6S

Technology

CLOWER, J. I. Lubricants and lubrication. New York, McGraw-Hill, 1939.  
307 C62L  
COTTON-TEXTILE INSTITUTE, Inc. Cotton from raw material to finished product. New York, 1939. 304 C82C  
SIMONDS, H. R. Industrial plastics. New York, Pitman, 1939. 309 Si5

Veterinary Medicine

EASTERN IOWA VETERINARY ASSOCIATION. 25th anniversary souvenir book, 1913-1938. [n.p. 1939?] 41.9 Ea75

PRINCIPAL LIBRARY ACCESSIONS  
(continued)

Theses

- FRANSEN, J. J. Iepenziekte, iepenspintkevers en beider bestrijding. Wageningen, 1939. Proefschrift. Landbouwhoogeschool, Wageningen. 464.07 F85
- HALLERAN, M. M. The effect of rickets on the mental development of young children. New York, 1938. (Archives of psychology. no. 229) Thesis. (Ph.D.) Columbia university. 320 H15
- KASSELL, B. Metabolism of the sulfur amino acids. New York, 1938. Thesis. (Ph.D.) Columbia university. 386.2 K15
- NAÇI, G. D. L. La loi sur la banque agricole et le crédit rural en Albanie. Paris, 1938. Thèse. Univ. de Paris. 284.2 N11
- SALMON, T. N. The effect on the growth rate of thyro-parathyroidectomy in newborn rats and of the subsequent administration of thyroid, parathyroid and anterior hypophysis. New York, 1938. Thesis (Ph.D) Columbia university. 444 Sa3
- TUTING, W. Kataphoretische untersuchung agglutiniierter und nicht agglutiniierter rotlaufbakterien. Berlin, 1933. Inaug.-diss. Tierärztl. hochschule, Berlin. 41.2 T83
- UHLENHAUT, F. A. Beitrag zur verhütung des Trichomonadenseuche. München, 1937. Inaug.-diss. München. 41.2 Uh62
- VOLKMANN, A. Behandlungsversuche der kaninchen- bzw. katzenccoccidiose mit viscojod und carbo medicinalis "Merck!" Leipzig, 1935. Inaug.-diss. Leipzig. 41.2 V882
- WACHELAU, E. Derrispräparate, lethane, aracit-shampoo, buttermilch schwefel-kalklösung, tephrosia-extrakt. Hannover, 1935. (Versuche zur bekämpfung des dasselbefalls beim rinde. x. beitrag) Inaug.-diss. Tierärztl. hochschule, Hannover. 41.2 W11
- WEBER, K. Versuche mit trächtigkeitsfeststellung nach Cuboni durch chemischen nachweis des ovarialhormons bei pfer und rind. Hannover, 1937. Inaug.-diss. Tierärztl. hochschule, Hannover. 41.2 W384
- WEINRICH, F. Versuche zur bekämpfung der räude bei rinder mit derrispräparaten. Alfeld (Leine) 1935. Inaug.-diss. Tierärztl. hochschule, Hannover, 1933. 41.2 W436

- o - o - o - o - o - o - o - o - o - o -



---

BIBLIOGRAPHIES AND LISTSMiscellaneous

- National education association of the United States. Research division. Safety and safety education: an annotated bibliography, prepared by the Safety education projects of the Research division. Washington, 1939. 64 p. 241.71 N21
- Schmeckebier, L. F. Government publications and their use. Ed. 2. Washington, Brookings institution, 1939. (The Institute for government research of the Brookings institution. Studies in administration. no. 33) 479 p. 242.1 Sch4 Ed.2
- Special libraries association. Chemistry section. Union list of scientific periodicals in the chemical libraries of the Chemistry section. Ed. 2. New York, 1939. 77 p. 241.9 Sp37 Ed.2

U. S. Department of AgricultureAgricultural Adjustment Administration

- Materials for consumer education; a selected bibliography. Prepared by Consumers' counsel division. Sept. 1939. 21 p. (CS-61 revised) 1.94 AL422Cs

Bureau of Agricultural Chemistry and Engineering

- The manufacture of tomato juice and tomato cocktail. Selected references and patents. Compiled by V. A. Pease, Food research division. 1939. 11 p. 1.932 F5M31T

Bureau of Agricultural Economics

- Electrical properties of cotton; some references to the literature, 1931-date. Compiled by Emily L. Day, Library specialist in cotton marketing. Issued Nov. 1939. 3 p. (Economic library list no. 7) 1.9 Ec73E

Bureau of Entomology and Plant Quarantine

- A bibliography of cyanide compounds used as insecticides, 1934. By H. D. Young and R. L. Busbey. Oct. 1939. 57 p. (E-494) 1.9 En83

Extension Service

- A selected list of references on family financial planning and money management. Prepared by Mary Rokahr. 1939. 26 p. (Miscellaneous extension publication no. 44) 1.9 Ex892Mi

Library.

- Selected references on the history of English agriculture. By Everett E. Edwards. Edition 2, October 1939. 105 p. (Bibliographical contributions no. 24 (edition 2) ) 1.9 L61Bi

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURAL WORKERS  
APPEARING OUTSIDE THE DEPARTMENT\*

Agricultural Adjustment Administration

EVANS, R. M. Today and tomorrow for the Triple-A. Grain and Feed Rev. 29(3): 13-14. Nov. 1939.

Bureau of Animal Industry

- BAROTT, H. G. and PRINGLE, E. M. Review of investigations in the Bureau of animal industry on energy and gaseous metabolism of the domestic fowl. World's Poultry Cong. Proc. 7th p.167-171. 1939.
- BURROWS, W. H. and QUIEN, J. P. Artificial insemination of chickens and turkeys. World's Poultry Cong. Proc. 7th. p.82-85. 1939.
- FRAPS, R. M. and BURROWS, W. H. Plumage reactions to theelin in thyroid-ectomized fowl. World's Poultry Cong. Proc. 7th. p.106-109. 1939.
- HARSHAW, H. M. The effects of different cereals on the composition of the edible portions of cockerels. Poultry Sci. 18: 486-491. Nov. 1939.
- HARWOOD, P. D. Notes on Tennessee helminths. IV. North American trematodes of the subfamily Notocotylinac. Tenn. Acad. Sci. Jour. 14: 421-437. Oct. 1939.
- KNOX, C. W. Crossbreeding in the domestic fowl. World's Poultry Cong. Proc. 7th. p.58-61. 1939.
- LAMBERT, W. V., SPEELMAN, S. R., and OSBORN, E. B. Differences in incidence of encephalomyelitis in horses. Jour. Hered. 30: 349-352. August 1939.
- MCINTOSH, ALLEN. A new allocreadiid trematode, *Podocotyle shawi*, n. sp., from the silver salmon. Wash. Acad. Sc. Proc. 29: 379-381. Sept. 15, 1939.
- MARTIN, J. H. Trends of research in incubation. World's Poultry Cong. Proc. 7th. p.179. 1939.
- MOHLER, J. R. The administration of poultry disease control measures in the United States. World's Poultry Cong. Proc. 7th. p.22-26. 1939.
- PRICE, E. W. Earthworms and gapeworms. Rural New Yorker 98:578. Nov. 4, 1939.
- SCHWARTZ, B. Frankfurters 99 % free of Trichinae. Meat Dealer and Butchers Gaz. 132(7): 18-19. Oct. 1939.
- Trichinae in hogs down 80 per cent in 35 years. Meat Dealer and Butchers Gaz. 132(7): 19. Oct. 1939.
- Trichinosis investigation. North Amer. Vet. 20(11): 6. Sept. 1939.
- Zoölogical problems relative to meat inspection and their bearing on public health. Amer. Jour. Pub. Health 29:1133-1139. Oct. 1939.
- STEIN, C. D., LUCKER, J. T., OSTEN, O., GOCHENOUR, W. S. Studies on the possible role of endoparasites in the transmission of infectious anemia. Amer. Vet. Med. Assoc. Jour. 95:536-541. Nov. 1939.
- TITUS, H. W. Nutritional factors in relation to hatchability. World's Poultry Cong. Proc. 7th. p.198-201. 1939.

\*These lists are prepared in the offices under which they are listed, with the exception of the Agricultural Adjustment Administration.

-----  
PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Animal Industry (continued)

- WEHR, E. E. The gapeworm as a menace to poultry production. World's Poultry Cong. Proc. 7th. p. 267-270. 1939.
- and CAUSEY, O. R. (Johns Hopkins Univ.) Two new nematodes (Filarioidea: Dipetalonematidae) from Rana sphenoccephala. Amer. Jour. Hyg. 30(2) Sect. D. p. 65-68.
- ZUMBRO, P. B. A coordinated breeding and pullorum-control program for the United States: The national poultry improvement plan. World's Poultry Cong. Proc. 7th. p. 420-425. 1939

Bureau of Agricultural Chemistry and Engineering

- ALLISON, F. E., LUDWIG, C. A., HOOVER, S. R., and MINOR, F. W. Legume nodule metabolism and nitrogen fixation. Nature 144: 711-712, Oct. 21, 1939.
- BREWER, A. K. (With O. BAUDISCH, Saratoga Springs Authority, senior author) Geochemistry of the Saratoga basin: The radioactivity of Saratoga Spring waters and rocks. Amer. Jour. Sci. 257: 811-817, Nov. 1939.
- BROWN, H. R. The proper control and best methods of venting dust explosions in industrial plants. Fire Engin. 92: 534-537. Nov. 1939.
- BROWNE, C. A. and PHILLIPS, M. The methoxyl and uronic acid content of the sugar cane and of the juices, sirups and molasses derived therefrom. Internatl. Sugar Jour. 41: 430-433. Nov. 1939.
- COLLINS, E. V. and SHEPP, C. K. Why not left-handed disk jointers. Agr. Engin. 20: 387-388. Oct. 1939.
- HEID, J. L. The freezing preservation of Texas fruits and vegetables. Refrig. Engin. 38: 286-288. Nov. 1939.
- JACOB, K. D. Phosphate rock. The Mineral Indus. during 1938, 47: 477-496. 1939.
- KUNSMAN, C. H. Some European impressions relating to fertilizers. (Abstract) Amer. Fert. 91(5): 8. Sept. 2, 1939. (Article) Amer. Fert. 91(10): 7-8, 22-23. Nov. 11, 1939.
- MERVINE, E. M. Progress made in sugar beet machinery investigations. Natl. Beet Grower 8(2): 3, 8. Oct. 1939.
- MERZ, A. R. Fertilizers. Thos. Nelson & Sons' Loose-Leaf Encyclopedia 5: 5-8. Oct. 1939.
- PRICE, D. J. Accomplishments in dust explosion prevention in industrial plants. Procs. Forty-Third Ann. Meet. Natl. Fire Prot. Assn. 33: 295-297. July, 1939.
- Developments in farm and rural community fire prevention. Natl. Fire Prot. Assn. Proc. Ann. Meet. 33(1): 149. July, 1939.
- and BROWN, H. R. Chicago elevator explosion. Natl. Fire Prot. Quarterly 33: 122-129. Oct. 1939.
- WHITTAKER, C. W., RADER, L. F., JR., and ZAHN, K. V. Magnesium oxide as a possible ingredient of mixed fertilizer. In Abstracts of Papers Presented at Ninety-Eighth Meet. Amer. Chem. Soc., Boston, Mass., Sept. 11-15, 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURAL WORKERS  
APPEARING OUTSIDE THE DEPARTMENT  
 (continued)

Bureau of Agricultural Economics

- CROW, W.C. Cost of sale and handling through Lower Manhattan estimated at \$18,000,000 per year. XIV. Packer 35(50):4. Nov. 25, 1939.
- CROW, W.C. How do New York City retailers get their fruits and vegetables and what kind of market do they want? XI. Packer 35 (47):4. Nov. 4, 1939.
- CROW, W.C. How many retail outlets distribute New York City's fresh fruits and vegetables? Packer 35(48):6. Nov. 11, 1939.
- CROW, W.C. The secondary markets of Metropolitan New York. XIII. Packer 35(49):5. Nov. 18, 1939.
- Edwards, E. E. Agricultural records; their nature and value for research. Agr. Hist. 13(1):1-12. Jan. 1939.
- Lanham, W. B. Government classing for one variety. Amer. Cotton Grower 5(3):14-15. Aug. 1939.
- Marschner, F. J. and Bausman, R. O. Land and water areas of Delaware. Delaware Notes 12th ser., 1939.
- Sherman, C. B. [Book Review]: American folk plays. South. Lit. Messenger 1:702-703. Oct. 1939.
- Sherman, C. B. Ingenuity employed in official research. Better Crops with Plant Food 23(9):13-14, 40-42. Nov. 1939.
- Sherman, C. B. Rural scenes inspire our modern poets. Agr. Leaders' Digest 20(8):56. Nov. 1939.
- Wernimont, Kenneth. County disorganization in North Dakota. Natl. Munic. Rev. 28: 769-772, 796. Nov. 1939.

Agricultural Marketing Service

- BECKER, J. A. and HARLAN, C. L. Developments in crop and livestock reporting since 1920. Jour. Farm Econ. 21: 799-827. Nov. 1939.
- CLAY, H. J. Why honey prices are at their present level. (Address.) Gleanings in Bee Culture 67: 733-736. Dec. 1939.
- EDMUNDS, C. E. Methods of poultry evisceration and packing and their relation to health. Amer. Jour. Pub. Health and The Nation's Health 29: 1239-1243. Nov. 1939.
- HALE, R. F. Estimating local market prices and farm labor since 1920. Jour. Farm Econ. 21: 828-837. Nov. 1939.
- JESSEN, R. J. An experiment in the design of agricultural surveys. Jour. Farm Econ. 21: 856-863. Nov. 1939.
- ROBILSON, C. H. Comparative quality - American cotton spinning utility. Cotton Digest 12(5): 3, 20-22. Nov. 4, 1939.
- SARLE, C. F. Future improvement in agricultural statistics. Jour. Farm Econ. 21: 838-845. Nov. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

(continued)

Bureau of Entomology and Plant Quarantine

- BACK, E. A. A new pest of books, *Neogastrallus librinocens* Fisher.  
Jour. Econ. Ent. 32: 642-645. Oct. 1939.
- BARBER, G. W. Observations on *Collabismodes cubae* Boh. as a tomato pest.  
Jour. Econ. Ent. 32: 725-726. Oct. 1939.
- BERRY, P. A. Biology and habits of *Ephialtes turionellae* (L.), a pupal parasite of the European pine shoot moth. Jour. Econ. Ent. 32: 717-721. Oct. 1939.
- BISHOPP, F. C. Mosquito transmission of encephalomyelitis, or brain fever, of horses. Wash. Acad. Sci. Jour. 29: 495-501. Nov. 15, 1939.
- BLANTON, F. S. Aphid transmission of the virus causing white streak of narcissus. Jour. Econ. Ent. 32: 726-727. Oct. 1939.
- BLANTON, F. S. Collecting notes on the family Asilidae (Diptera).  
Brooklyn Ent. Soc. Bul. 34: [229]-235. Dec. 1939.
- BRUCE, W. G. The use of phenothiazine in the medication of cattle for the control of horn flies. Jour. Econ. Ent. 32: 704-706. Oct. 1939.
- BULGER, J. W., and NELSON, O. A. Effects of heat treatments of some calcium arsenates on their toxicity to silkworms and bean plants.  
Jour. Econ. Ent. 32: 613-619. Oct. 1939.
- CLARK, E. P. Report on microchemical methods. Alkoxy determination.  
Assoc. Off. Agr. Chem. Jour. 22: 622-624. Aug. 1939.
- CUSHMAN, R. A. A new *Angitia*, parasitic on the artichoke plume-moth. (Hymenoptera, Ichneumonidae). Pan-Pacific Ent. 15: 183-185. Oct. 1939.
- DOWDEN, P. B. Present status of the European spruce sawfly, *Diprion polytomum* (Htg.), in the United States. Jour. Econ. Ent. 32: 619-624. Oct. 1939.
- FAHEY, J. E., RUSK, H. W., STEINER, L. F., and SAZAMA, R. F. Ease of residue removal from late and early spray applications of lead arsenate to apples. Jour. Econ. Ent. 32: 714-717. Oct. 1939.
- GURNEY, A. B. Nomenclatorial notes on Corrodentia, with descriptions of two new species of *Archipsocus*. Wash. Acad. Sci. Jour. 29: 501-515. Nov. 15, 1939.
- MELAMPY, R. M., and MCGREGOR, S. E. Nutritional value of certain foods for the adult honeybee. Jour. Econ. Ent. 32: 721-725. Oct. 1939.
- OSBURN, M. R. Control of the purple scale and the Florida red scale.  
Jour. Econ. Ent. 32: 688-690. Oct. 1939.
- PARR, T. J. *Matsucoccus* sp., a scale insect injurious to certain pines in the northeast (Hemiptera-Homoptera). Jour. Econ. Ent. 32: 624-630. Oct. 1939.
- RAINWATER, C. F. Experiments using several insecticides with and without wetting agents and stickers for boll weevil control. Jour. Econ. Ent. 32: 700-703. Oct. 1939.

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURAL WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Entomology and Plant Quarantine (continued)

- ROARK, R. C. Chemistry in pest control. Soap 15(11): 93, 95, 97, 123. Nov. 1939.
- ST. GEORGE, R. A. The larva of *Perimylops antarcticus* Müller and the systematic position of the family Perimylopidae (Coleoptera). Wash. Ent. Soc. Proc. 41: [207]-214. Oct. 1939.
- SHIRCK, F. H. Observations on the flight of adults of the sugar-beet wireworm, *Limonius californicus* (Mann.). Jour. Econ. Ent. 32: 726. Oct. 1939.
- SMITH, F. F. Control of the cyclamen mite on chrysanthemums. Florists Exch. 93(17): 11. Oct. 21, 1939.
- SNAPP, O. I. Further studies with ethylene dichloride emulsion for the control of the peach borer. Jour. Econ. Ent. 32: 683-685. Oct. 1939.
- SPENCER, H. Increases in citrus scale insect infestations from heavy residue and from copper spray mixtures. Jour. Econ. Ent. 32: 686-688. Oct. 1939.
- STONE, A. A revision of the genus *Pseudodacus* Hendel (Dipt. Trypetidae). Rev. de Ent. 10: 282-289. Sept. 4, 1939.
- STRONG, L. A. Records on the occurrence and distribution of insects. Ward's Combined Ent. and Nat. Sci. Bul. 13(2): [1]. Oct. 1939.
- TRAVIS, B. V. Poisoned-bait tests against the fire ant, with special reference to thallium sulfate and thallium acetate. Jour. Econ. Ent. 32: 706-713. Oct. 1939.
- TRAVIS, B. V. Tests of soil treatments for the control of the fire ant, *Solenopsis geminata* (F.). Jour. Econ. Ent. 32: 645-650. Oct. 1939.
- VANSELL, G. H. The sugar concentrations of western nectars. Jour. Econ. Ent. 32: 666-668. Oct. 1939.
- WHITTEN, R. R. and BAKER, W. C. Tests with various elm-wood traps for bark beetles. Jour. Econ. Ent. 32: 630-634. Oct. 1939.

Bureau of Plant Industry

- BARTEL, A.T. (With D.C. AEPLI, Salt River Valley Expt. Sta.) Arivat, possible new barley for southern Arizona, beats Vaughn at Mesa and Tucson. Ariz. Farmer Prod. 18(18):18. Nov. 11, 1939.
- BRANDES, E.W. Three generations of cold resistant sugarcane. Sugar Bul. 18(4):3-5. Nov. 15, 1939.
- CULPEPPER, C.W. and MOORE, H.H. Changes in the composition and rate of growth along the developing stem of asparagus. Plant Physiol. 14: 677-698. Oct. 1939.
- DAVIS, W.C. and LATHAM, D.H. Cedar blight on wilding and forest tree nursery stock. Phytopathology 29:991-992. Nov. 1939.
- DOOLITTLE, S.P., BEECHER, F.S. and PORTE, W.S. A hybrid cucumber resistant to bacterial wilt. (Note) Phytopathology 29:996-998. Nov. 1939.
- DYKSTRA, T.P. A study of viruses causing yellow mosaics in European and American varieties of the potato, *Solanum tuberosum*. Phytopathology 29:917-933. Nov. 1939.



PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURAL WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- ELLIS, D.E. A fungus disease of *Arceuthobium*. (Note) *Phytopathology* 29: 995-996. Nov.1939.
- FULTON, H.J. (With C. HOBART, Asst. Co. Agr. Agent, Maricopa county, Ariz.) Compare SxP and Pima yields. *Ariz. Farmer Prod.* 18(19):11. Nov.25,1939.
- GOLDSWORTHY, M.C. (Book review) Gardner, V.R., Bradford, F.C. & Hooker, H.D., jr. *Fundamentals of fruit production*. 2nd. ed. 728 p., illus. New York, McGraw-Hill [1939]. *Phytopathology* 29:1002. Nov.1939.
- GOULD, H.P. A registration service for horticultural varieties. *Amer. Pomol. Soc. Proc.* (1938) 54:149-155. [1939]
- The work of the Division of fruit and vegetable crops and diseases (Bureau of plant industry) in relation to the horticultural industries. *Amer. Pomol. Soc. Proc.* (1938) 54:117-23. [1939]
- HAHN, G.G. Immunity of a staminate clone of *Ribes alpinum* from *Cronartium ribicola*. *Phytopathology* 29:981-986. Nov.1939.
- HEDGCOCK, G.G. Notes on North American pine-oak species of *Cronartium* on *Castanea*, *Castanopsis*, and *Lithocarpus*. (Note). *Phytopathology* 29: 998-1000. Nov.1939.
- JENKINS, A.E., POLHAMUS, L.G. and HILL, H.H. New hosts and distribution of *Elsinoë solidaginis*. *Phytopathology* 29:970-973. Nov.1939.
- KEARNEY, T.H. and PEEBLES, R.H. Arizona plants: new species, varieties, and combinations. *Wash. Acad. Sci. Jour.* 29:474-492. Nov.15,1939.
- McCULLOCH, L. (With P.P. PIRONE, N.J. Agr. Expt. Sta.) Bacterial leaf spot of *Dieffenbachia*. *Phytopathology* 29:956-962. Nov.1939.
- SCHOTH, H.A. Progress in forage crop improvement. *Brit. Columbia Field Crop Union Ann.Rpt.* (1938) 5:5-9. 1939.
- and RAMPTON, H.H. Sudan grass, millets, and sorghums in Oregon. *Oreg. Agr. Expt. Sta. Bul.* 361. 22 p. Mar.1939. (In cooperation)
- SEELY, C.I. Wild morning glory control in the dry-land wheat districts of the Pacific Northwest. *East. Oreg. Wheat League Proc.* (1938) 11: 17-21. [1939]
- SIEVERS, A.F. (With C.G. MARSHALL, Soil Conserv. Serv.) The volatile oil of *Poliomintha incana*. *Amer. Pharm. Assoc. Jour.* 29:659-661. Oct.1939.
- STOUTENIER, V.T. Root-inducing substances in amide form. Comparison of their use with indole acids suggests promising new development. *Amer. Nurseryman* 70(9):5-6. Nov.1,1939.
- TOOLE, E.H. and TOOLE, V.K. Germination of some Brassica types at different temperatures. *Internatl. Seed Testing Assoc. Proc.* 11:51-56. 1939.
- TOOLE, V.K. Germination of the seed of poverty grass, *Danthonia spicata*. *Amer. Soc. Agron. Jour.* 31:954-965. Nov.1939.
- WEISS, F. (Book review) Pape, L. *Die praxis der bekämpfung von krankheiten und schädlinge der zierpflanzen*. 3 aufl. 475 p., 8 col.pl., 336 fig. Berlin, P. Parey, 1939. *Phytopathology* 29:1002. Nov.1939.
- WELLMAN, F.L. A technique for studying host resistance and pathogenicity in tomato *Fusarium* wilt. *Phytopathology* 29:946-956. Nov.1939.

-----

PUBLICATIONS BY U. S. DEPARTMENT OF AGRICULTURE WORKERS  
APPEARING OUTSIDE THE DEPARTMENT

Bureau of Plant Industry (continued)

- WILCOX, R.B. Some effects of unusual weather conditions upon the growth of cranberries. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. 70:19-22. Aug. 31, 1939. Also in Cranberries 4(7):7-8. Nov. 1939.
- WINSTON, J.R. Citrus fruit decay. Texas Farming and Citric. 17(5):14-15. Nov. 1939.

Soil Conservation Service

- BENNETT, H.H. This is your land. Facts few of us know. Vital Speeches 6:51-54. Nov. 1, 1939.
- FISHER, C.E. with LANGLEY, B.C. Some effects of contour listing on native grass pastures. Amer. Soc. Agron. Jour. 31:972-981. Nov. 1939.
- HOWARD, I.M. Crested wheatgrass rides the range. Amer. Cattle Prod. 21(4):1-2. Sept. 1939.
- He loves his soil. West. Farm Life 41(22):5. Nov. 15, 1939.
- HUTCHINS, W.A. Water rights for irrigation in humid areas. Agr. Engin. 20:431-432, 436. Nov. 1939.
- MUSSLER, G.E. Coralberry. Its value in erosion control. Penn. Game News 10(7):5. Oct. 1939.

-O-O-O-O-O-O-O-O-O-O-O-O-O-

The November 1939 issue of the Journal of Farm Economics commemorates 100 years of work in agricultural statistics. The first formal collection, compilation, and publication of such statistics was made in 1939, with the taking of the first agricultural census. In the 11 articles presented in this anniversary number of the Journal an attempt has been made to summarize a century of development in the field of farm statistics. Seven of the articles have been contributed by representatives of the Division of Agricultural Statistics, Agricultural Marketing Service, U. S. Department of Agriculture.

-O-O-O-O-O-O-O-O-O-O-O-O-O-

TRANSLATIONS RECEIVED IN THE LIBRARYFrom University of California, Division of Fruit Products:

- PANTANELLI, E., and BRANDONISIC, V. Essais d'extraction de l'huile au moyen de l'eau (Experiments of extracting oil by means of water). Feuilles d'Inform. Oleicoles Internatl. 3(2): 25-37. 1938. Translated with assistance of W.P.A. Official Project 465-03-3-174. (DA 256)
- RIBEREAU-GAYON, J. Dosage colorimétrique du fer total et du fer trivalent dans les vins rouges (Colorimetric determination of total and trivalent iron in red wines). Ann. des Falsif. 26: 297-299. 1933. Translated with assistance of W.P.A. Official Project 465-03-3-174. (DA 255)

From North Carolina State College:

- AUBEL, E., SCHWARZKOPF, O., and GLAZER, Mlle. Sur l'oxydation du leuco-bleu de méthylène par les nitrates et les nitrites (On oxydation of leuco-compounds of methylene blue by nitrates and nitrites). Soc. de Biol. [Paris] Compt. Rend. 125: 12-13. 1937. Translated by R. Monsaroff, Cosmos Imperial Mills, Ltd., Hamilton, Ontario, Canada. (DA 190)
- BEZSSONOFF, N. and VERTEUYEN, H. L'acidose et les coefficients-tampons acidebase du liquide céphalo-rachidien (Acidosis and the acid-base buffer-coefficients of cephalospinal fluid). Soc. de Biol. [Paris] Compt. Rend. 126: 1209-1212. 1937. Translated by F. W. Hollowell, Jr. (DA 270)
- BEZSSONOFF, N. and WOLOSZYK, M. La qualité des formes oxydées et la polarisation de la vitamine C mises en évidence par ses deux réactions réversibles avec l'acide phosphomolybdique (The two forms of oxides and the polarization of vitamin C shown by its two reversible reactions with phosphomolybdic acid). [Paris] Acad. des Sci. Compt. Rend. 204: 819-821. 1937. Translated by A. J. Honeycutt. (DA 267)
- CAMPENHOUT, E. van. Le rôle de la crête ganglionnaire dans la formation du mésenchyme céphalique chez l'embryon de poulet (The role of the ganglionic crest in the formation of the cephalic mesenchyme of the chick embryo). Soc. de Biol. [Paris] Compt. Rend. 124: 1005-1006. 1937. Translated by E. P. Singleton. (DA 260)
- KRINGSTAD, H. and NAESS, T. Über die kolorimetrische bestimmung von nicotinsäure und nicotinsäureamid (The colorimetric determination of nicotinic acid and nicotinamide). Naturwissenschaften 26: 709. 1938. Translated by Mrs. J. C. Richmond. (DA 265)
- LECOQ, R. Étude expérimentale de l'action antirachitique du phosphore et des composés phosphores minéraux et organiques (An experimental study of the antirachitic action of phosphorus and the organic and non-organic phosphorus compounds) [Paris] Acad. de Méd. Bul. 113: 760-767. 1935. Translated by G. C. Furr. (DA 262)
- MARIGELLI C., J. A. Algunas consideraciones para el mejor conocimiento y estudio del suelo (Some considerations for an improved study and better knowledge of the soil). Lima, Peru. Estac. Expt. Agr. de La Molina, Cir. 38. 19 p. 1937. Translated by R. F. Coleman. (DA 264)



TRANSLATIONS RECEIVED IN THE LIBRARYFrom North Carolina State College: (continued)

- PARROD, J. Influence de quelques composés sur la formation de l'acide cyanhydrique, par oxydation du lévulose ou de l'alloxane, en milieu cupri-ammonique (Influence of some compounds on the formation of cyanhydric acid by oxidation of levulose or alloxane in a cupric-ammonia medium). [Paris] Acad. des Sci. Compt. Rend. 204: 871-873. 1937. Translated by S. B. Bledsoe. (DA 266)
- SACREZ, R. La dépense azotée endogène spécifique du cobaye dans les premiers jours de l'avitaminose C. (Specified azotized endogenous expenditures of the guinea pig in the early days of C avitaminosis). Soc. de Biol. [Paris] Compt. Rend. 129: 219-222. 1938. Translated by G. C. Furr. (DA 259)

From Ohio Agricultural Experiment Station:

- DHAR, N. R., SESHYCHARYULU, E. V., and MUKERJU, S. K. Photochemie der stickstoff-festlegung im boden und Ähnlichkeit zwischen stickstoff-festlegung und photosynthese (Photochemistry of nitrogen fixation in the soil and similarity between nitrogen fixation and photosynthesis). Bodenk. u. Pflanzenernähr. n.f. 12: 222-231. 1939. Translated by E. E. Barnes. (DA 269)
- HUGOULENQ, L., and LOISELEUR, J. Sur la constitution des diastases protéolytiques et le mécanisme de leur action (On the structure of proteolytic enzymes and the mechanism of their action). Soc. de Chim. Biol. Bul. 7: 955-973. 1925. Translated by Roy Thomas. (DA 271)
- LEMMERMANN, O. and GERDUM, E. Die herstellung von "kunstlichem stall-dunger" (The preparation of artificial stall manure). Ztschr. f. Pflanzenernähr., Düngung u Bodenk., B, 6: 481-485. 1927. Translated by E. E. Barnes. (DA 268)

From U. S. Bureau of Agricultural Economics:

- JASNY, N. Die zukunft des roggens (The future of rye). Vrtljh. z. Konjunkturforsch. Sonderheft 20. 108 p. 1930. (Translation of p. 5-13 and conclusion only.) Translated by C. F. Hermann. (DA 261)

From U. S. Weather Bureau:

- FINDEISEN, W. Der aufbau der regenwolken (Formation of rain clouds). Ztschr. f. Angew. Met. "Das Wetter" 55: 208-225. 1938. Translated by A. R. Stickley. (DA 263)
- FINDEISEN, W. Die kolloidmeteorologischen vorgänge bei der niederschlagsbildung (The colloid meteorological processes in the formation of precipitation). Met. Ztschr. 55:121-1938. Translated by A. R. Stickley. (DA 263)
- FINDEISEN, W. Meteorologisch-physikalische bedingtheiten der vereisung in der atmosphäre (Meteorological-physical limitations of icing in the atmosphere). Lilienthal Gesell. f. Luftfahrtforsch. Haupt-versamml. [reprint] 1938. Translated by A. R. Stickley. DA 263)

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
INCLUDING ONLY TECHNICAL AND SCIENTIFIC ARTICLES  
REPORTING OR BASED ON EXPERIMENT STATION WORK \*

Alabama

- BARRONS, K. C. Time to push hybrid sweet corn: types now on the market are good for southern gardens and market. South. Seedsman 2: 7, 20. Nov. 1939.
- HAFFEL, J. A. Colorimetric microdetermination of boron. Indus. and Engin. Chem. (Anal. Ed.) 11: 407-409. July 15, 1939.
- WARE, L. M. Fertilizer requirements of the potato on different soils of Alabama. Amer. Potato Jour. 16: 259-266. Oct. 1939.
- WEST, J. L. Botulism of the domesticated fowl. Vet. Med. 34: 760-762. Dec. 1939.
- WEST, J. L. Lesions of gossypol poisoning in dogs fed cottonseed meal. (Abstract) Jour. Amer. Vet. Med. Assoc. 95: 466-467. Oct. 1939.

Arizona

- BENSON, L. The taxonomic significance of the nectary scale in Ranunculus. (Abstract) Amer. Jour. Bot. 26: 677. Oct. 1939.
- BUEHRER, T. F., MARTIN, W. P., and PARKS, R. Q. The oxidation-reduction potential of alkaline calcareous soils in relation to puddling and organic matter of decomposition. Jour. Amer. Soc. Agron. 31: 903-914. Nov. 1939.
- CROOKS, D. M. Plants of the Southwest offering opportunity for botanical research. (Abstract) Amer. Jour. Bot. 26: 676. Oct. 1939.
- CROOKS, D. M. The use of an alternating "Translongitome" in making and interpreting serial sections. (Abstract) Amer. Jour. Bot. 26: 674. Oct. 1939.
- WEHRLE, L. P. A new insect introduction. Bul. Brooklyn Ent. Soc. 34: 170. June 1939.
- WEHRLE, L. P. Observations on three species of Triatoma (Hemiptera: Reduviidae). Bul. Brooklyn Ent. Soc. 34: 145-154. June 1939.

California

- ARK, P. A. Bacterial leaf spot of maple. Phytopathology 29: 968-970. Nov. 1939.
- BABCOCK, E. B. Recent achievements in plant breeding. (Abstract) Amer. Jour. Bot. 26: 673. Oct. 1939.
- BABCOCK, E. B. Recent progress in plant breeding. Sci. Mo. 49: 393-400. Nov. 1939.
- BEACH, J. R. Pathological conditions in laying chickens. Vet. Med. 34: 729-730. Dec. 1939.
- BRIGGS, F. N. Production and improvement of malting barley in California. Amer. Brewer 72: 37. Nov. 1939.
- Same title appears in Brewers Digest 14: 30-31. Nov. 1939.

---

\* Prepared in the Office of Experiment Stations Library.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## California (Continued)

- CAMERON, H. S., and GOSS, H. An attempt to produce preparturient paresis in ewes. (Abstract) Jour. Amer. Vet. Med. Assoc. 95: 484-485. Oct. 1939.
- CRAFTS, A. S. Movement of viruses, auxins, and chemical indicators in plants. Bot. Rev. 5: 471-504. Sept. 1939.
- DeBACH, P. *Microterys titiani* Gir., an egg predator of *Lecanium corni* Bouche. (Note) Jour. Econ. Ent. 32: 728-729. Oct. 1939.
- EMERSON, G. A., and EVANS, H. M. Restoration of fertility in successively older B-low female rats. Jour. Nutrition 18: 501-506. Nov. 10, 1939. (G. A. Emerson, Univ. Calif.)
- ESAU, K., and HEWITT, W. B. The nature of the end walls of vessel mother cells (Abstract) Amer. Jour. Bot. 26: 672. Oct. 1939.
- ESAU, K. Studies of the development of the carrot root. (Abstract) Amer. Jour. Bot. 26: 671-672. Oct. 1939.
- JOSLYN, M. A. Vitamins and related substances in yeast. Brewers Digest 14: 26-27. Nov. 1939.
- KESTON, S. E. Development of the flower of *Antirrhinum majus* L. (Abstract) Amer. Jour. Bot. 26: 672. Oct. 1939.
- LANGE, W. H., Jr. Notes on the sugar-beet root aphid in California. (Note) Jour. Econ. Ent. 32: 727-728. Oct. 1939.
- LERNER, I. M., TAYLOR, L. W. (With R. E. LUBBEHUSEN, Univ. Calif.) The relation of winter production to subsequent mortality from various causes. Poultry Sci. 18: 457-463. Nov. 1939.
- LI, C. H., SIMPSON, M. E., and EVANS, H. M. Action of ketene on gonadotropic hormones. Jour. Biol. Chem. 131: 259-266. Nov. 1939. (C. H. Li and M. E. Simpson, Univ. Calif.)
- MEHLQUIST, G. A. L. Flower color-inheritance in the carnation. (Abstract) Amer. Jour. Bot. 26: 673. Oct. 1939.
- REED, H. S. How does the little leaf disease affect the meristem of trees? (Abstract) Amer. Jour. Bot. 26: 671. Oct. 1939.
- SMITH, R. H. European red mite in southern California. Calif. Dept. Agr. Bul. 28: 412-413. June 1939.
- STEBBINS, G. L., Jr., and JENKINS, J. A. Aposporic development in *Crepis*. (Abstract) Amer. Jour. Bot. 26: 675. Oct. 1939.
- STEBBINS, G. L., Jr. Cytogenetics, interspecific relationships, and distribution in the western flora. (Abstract) Amer. Jour. Bot. 26: 676. Oct. 1939.
- STEBBINS, G. L., Jr., and STEINITZ, L. The effect of anaerobic conditions on mitosis in seedlings of *Hordeum*. (Abstract) Amer. Jour. Bot. 26: 674. Oct. 1939.
- WATTS, B. M. (With D. ULRICH, Univ. Calif.) An active whipping substance from soybean flour. Indus. and Engin. Chem. 31: 1282-1283. Oct. 1939.
- YARWOOD, C. E. Relation of moisture to infection with some downy mildews and rusts. Phytopathology 29: 933-945. Nov. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

## Colorado

- THORP, F., Jr. (With F. W. TANNER) A bacteriological study of the aerobic flora occurring in pneumonic lungs of swine. (Abstract) Jour. Amer. Vet. Med. Assoc. 95: 474-475. Oct. 1939.

## Connecticut State

- LUNT, H. A. Soil characteristics, topography, and lesser vegetation in relation to site quality of second-growth oak stands in Connecticut. Jour. Agr. Research [U. S.] 59: 407-428. Sept. 15, 1939.
- MORGAN, M. F. Agronomic and horticultural considerations in the use of simple chemical soil tests. (Abstract) Com. Fert. 59: 30-31. Oct. 1939.

## Florida

- EMMEL, M. W. Control of common external parasites of chickens. Vet. Med. 34: 766-768. Dec. 1939.
- NEWELL, W. (With A. C. BROWN, State Plant Board) Eradication of the citrus blackfly in Key West, Fla. Jour. Econ. Ent. 32: 680-682. Oct. 1939.

## Georgia

- COCHRAN, H. L., and BAILEY, J. E. Northern Georgia as a source of fall crop certified seed potatoes for certain sections of the South. Amer. Potato Jour. 16: 266-273. Oct. 1939.

## Hawaii

- HARTUNG, M. E., and STOREY, W. B. The development of the fruit of *Macadamia ternifolia*. Jour. Agr. Research [U. S.] 59: 397-406. Sept. 15, 1939.

## Idaho

- RAEDER, J. M. Was Mayer the first to record a virus disease of plants? (Note) Phytopathology 29: 1001. Nov. 1939.

## Illinois

- CARD, L. E. Poultry breeding practices and the control of disease. Vet. Med. 34: 711-713. Dec. 1939.
- DORSEY, M. J. Present status of the apple and peach in Illinois. Amer. Pomol. Soc. Proc. 54(1938): 109-110. [1939]
- DORSEY, M. J. [and others] Report of the Committee on nomenclature for the year 1938. Amer. Pomol. Soc. Proc. 54(1938): 129-131. [1939]
- DORSEY, M. J. Tree conditioning the fruit crop. Amer. Pomol. Soc. Proc. 54(1938): 55-59. [1939]

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

## Illinois (continued)

- FAIRBANKS, B. W., and CURZON, E. Nicotinic acid. North Amer Vet. 20: 17-22. Nov. 1939.
- MITCHELL, H. H. The dog food testing program. North Amer. Vet. 20: 46-52. Oct. 1939.
- RUTH, W. A. [and others] Report of Spray residue research committee. Amer. Pomol. Soc. Proc. 54(1938): 133-136. [1939]
- RUTH, W. A. The spray residue tolerances. Amer. Pomol. Soc. Proc. 54(1938): 139-147. [1939]
- SAMPSON, J., BOLEY, L. E., and GRAHAM, R. Studies on the total ketone bodies, sugar and calcium in the blood of nonpregnant ewes. (Abstract) Amer. Vet. Med. Assoc. 95: 485. Oct. 1939.

## Indiana

- BROWN, W. H. Comparison of methods used for detecting the enzyme phosphatase in dairy products. Jour. Bact. 38: 595-596. Nov. 1939.
- DOYLE, L. P. Death losses in new-born pigs. (Abstract) Jour. Amer. Vet. Med. Assoc. 95: 473-474. Oct. 1939.
- ROBERTS, J. L., and ROBERTS, E. Auxin production by soil microorganisms. Jour. Bact. 38: 595. Nov. 1939.

## Iowa

- ALLAWAY, H., and PIERRE, W. H. Availability, fixation, and liberation of potassium in high-lime soils. Jour. Amer. Soc. Agron. 31: 940-953. Nov. 1939.
- BRIMHALL, B., and HIXON, R. M. The rigidity of starch pastes. Indus. and Engin. Chem. (Anal. Ed.) 11: 358-361. July 15, 1939.
- HIXON, R. M., and MARTIN, V. D. An electrodialyser for starch. Indus. and Engin. Chem. (Anal. Ed.) 11: 395. July 15, 1939.
- LANTZ, H. L. The fruit varieties situation in the Mid-west. Amer. Pomol. Soc. Proc. 54(1938): 106-109. 1939.
- McCLURE, H. E. Cooling activity and censusing of the mourning dove. Jour. wildlife Managt. 3: 323-328. Oct. 1939.
- McCLURE, H. E. A method of tree climbing. Jour. Wildlife Managt. 3: 329-331. Oct. 1939.
- PICKETT, B. S. A plan for a national authority to improve marketing conditions in the apple industry. Amer. Pomol. Soc. Proc. 54(1938): 62-66. [1939]
- RICHARDS, L. A., and PEARSON, R. W. A soil moisture tensiometer with a compact manometer. (Note) Jour. Amer. Soc. Agron. 31: 986-989. Nov. 1939.
- TRAVIS, B. V. Habits of the June beetle, *Phyllophaga lanceolata* (Say) in Iowa. Jour. Econ. Ent. 32: 690-693. Oct. 1939.
- TRAVIS, B. V., and DESHER, G. C. Insecticides for June beetle control. Jour. Econ. Ent. 32: 607-611. Oct. 1939.
- TRAVIS, B. V. Migration and bionomics of white grubs in Iowa, 1930-1935. Jour. Econ. Ent. 32: 693-697. Oct. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Kansas

- BRYSON, H. R. Some recent observations on the activities of *Phyllophaga lanceolata* Say (Scarabaeidae). *Kans. Ent. Soc. Jour.* 12: 94-96. July 1939.
- PETERSON, W. J., and HUGHES, J. S. Nutritional diseases of poultry. *Vet. Med.* 34: 731-733. Dec. 1939.
- THOMPSON, W. W. Poultry flock sanitation. *Vet. Med.* 34: 714-721. Dec. 1939.
- TWIEHAUS, M. J. The diagnosis of poultry diseases. *Vet. Med.* 34: 698-710. Dec. 1939.
- WARREN, D. C. Effect of temperature on size of eggs from pullets in different latitudes. *Jour. Agr. Research [U. S.]* 59: 441-452. Sept. 15, 1939.
- WILBUR, D. A. Mass flights of the Pentatomid, *Thyanta custator* (Fabr.) in Kansas. *Kans. Ent. Soc. Jour.* 12: 77-80. July 1939.

Kentucky

- ALLEN, H. R. Comparison of the chloroplatinic acid solutions obtained from recovery of platinum by various methods. (Abstract) *Com. Fert.* 59: 31-32. Oct. 1939.

Louisiana

- ELLISOR, J. O. A recent pecan pest, *Cacoecia infumatana* (Zell.). (Note) *Jour. Econ. Ent.* 32: 728. Oct. 1939.

Massachusetts

- VAN ROEKEL, H., BULLIS, K. L., and CLARKE, M. K. Infectious avian encephalomyelitis. *Vet. Med.* 34: 754-755. Dec. 1939.

Michigan

- HUFFMAN, C. F. Roughage quality and quantity in the dairy ration, a review. *Jour. Dairy Sci.* 22: 889-980. Nov. 1939.
- KenKNIGHT, G., and MUNCIE, J. H. Isolation of phytopathogenic actinomycetes. (Note) *Phytopathology* 29: 1000-1001. Nov. 1939.
- RICHARDSON, D. E., FABIAN, F. W., and WADSWORTH, C. K. Experimental work on processing and finishing pickles. II. The correct use of the salometer in pickle manufacture. *Fruit Prod. Jour. and Amer. Vinegar Indus.* 19: 75-77. Nov. 1939.
- SHOLL, L. B., and DERSHAM, G. E. Some observations on a chemical test for pregnancy in mares. *Jour. Amer. Vet. Med. Assoc.* 95: 507-508. Oct. 1939.
- STAFSETH, H. J. Streptococcic infections in dogs. (Abstract) *Jour. Amer. Vet. Med. Assoc.* 95: 472-473. Oct. 1939.
- STAFSETH, H. J. Tapeworm infestation in poultry. *Vet. Med.* 34: 763-765. Dec. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Minnesota

- FITCH, C. P., and POMEROY, B. S. The value of accurate diagnosis of poultry diseases. Vet. Med. 34: 693-697. Dec. 1939.
- HART, H., and ALLISON, J. L. Toluene compounds to control plant disease. Phytopathology 29: 978-981. Nov. 1939.
- HAYDAE, H. H. Comparative value of pollen and pollen substitutes. I. Bee bread and cottonseed meal-dry skim milk mixture. Jour. Econ. Ent. 32: 663-665. Oct. 1939.
- KERNKAMP, H. C. H. A blood picture in hog cholera. (Abstract) Jour. Amer. Vet. Med. Assoc. 95: 473-474. Oct. 1939.
- PINCKNEY, R. M., and ALWAY, F. J. Reliability of the proposed suction method of determining the moisture equivalent of soils. Soil Sci. 48: 403-411. Nov. 1939.
- REINHARDT, J. F. Ventilating the bee colony to facilitate the honey ripening process. Jour. Econ. Ent. 32: 654-660. Oct. 1939.

Mississippi

- DORMAN, C., and COLEMAN, R. The effect of calcium arsenate upon the yield of cotton on different soil types. Jour. Amer. Soc. Agron. 31: 966-971. Nov. 1939.
- MILES, L. E. Effect of type and period of storage on cottonseed after treatment with organic mercury dusts. Phytopathology 29: 986-991. Nov. 1939.
- MILES, L. E. Some tests of varietal susceptibility to a combination of root-knot nematode and cotton wilt. Phytopathology 29: 974-978. Nov. 1939.

Missouri

- DURANT, A. J. Enterohepatitis in turkeys. Vet. Med. 34: 756-759. Dec. 1939.
- TALBERT, T. J. Fruit varieties. Amer. Pomol. Soc. Proc. 54(1938): 110-114. [1939]

Montana

- MILLS, H. B. Remarks on the geographical distribution of North American Collembola. Bul. Brooklyn Ent. Soc. 34: 158-161. June 1939.
- RENNE, R. R. Notes on Montana population trends. (Note) Rural Sociol. 4: 346-347. Sept. 1939.

New Jersey

- BEAUDETTE, F. R. Laryngotracheitis. Vet. Med. 34: 743-747. Dec. 1939.
- GINSBURG, J. M., and PERLGUT, L. E. The role of calcium hydroxide in preventing hydrogen sulfide from decomposing lead arsenate. Jour. Econ. Ent. 32: 612-615. Oct. 1939.

---

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERSNew Jersey (continued)

- HEADLEE, T. J., and JOBBINS, D. M.     Some effects of acid arsenate of lead used against the termite, *Reticulitermes flavipes* (Kollar).     Jour. Econ. Ent. 32: 638-640.     Oct. 1939.
- JOFFE, J. S., and McLEAN, H. C.     Lysimeter studies. The movement of anions through the soil profile of a gray-brown podzolic soil. (Abstract)     Com. Fert. 59: 36.     Oct. 1939.
- McCULLOCH, L., and PIROME, P. P.     Bacterial leaf spot of *Dieffenbachia*.     Phytopathology 29: 956-962.     Nov. 1939. (L. McCulloch, U. S. Dept. Agr.)
- TOTH, S. J.     The effect of free iron oxide removal on some properties of soil colloids.     Soil Sci. 48: 385-401.     Nov. 1939.

New York (Cornell)

- McCAY, C. M.     Seven centuries of scientific nutrition.     Jour. Amer. Dietet. Assoc. 15: 648-658.     Oct. 1939.
- RAHN, O.     Microbic dissociation and the classification of bacteria.     Zentbl. Bakt. [etc.] Abt. II, v. 100: 369-372.     July 3, 1939.
- ROMANOFF, A. L. (With C. L. COTTRELL, Cornell Univ.)     Bio-electric potentials of the hen's egg.     Science 90: 471-472.     Nov. 17, 1939.
- WILSON, J. K.     Symbiotic promiscuity of two species of *Crotalaria*.     Jour. Amer. Soc. Agron. 31: 934-939.     Nov. 1939.

New York State

- HENING, J. C., and DAHLBERG, A. C.     The flavor of milk as affected by season, age, and the level of feeding dairy cows.     Jour. Dairy Sci. 22: 883-888.     Nov. 1939.
- WOODBIDGE, M. E.     A study of the rate of occurrence of certain weed seeds in replicate analyses of the seed of timothy (*Phleum pratense*).     Internatl. Seed Testing Assoc. Proc. 11: 5-24.     1939.

North Dakota

- NELSON, C. I., and BERRIGAN, D.     Effectiveness of heat penetration in the canning of meat in the home by the pressure cooker.     Jour. Agr. Research [U. S.] 59: 465-474.     Sept. 15, 1939.

Ohio

- CHILDERS, N. F., KIPLINGER, D. C., and BRODY, H. W.     A device for rapid rinsing of absorption towers used in gas analysis studies.     Science 90: 447-448.     Nov. 10, 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

Oklahoma

- CHESTER, K. S., and JAMISON, C. Physiologic races of wheat leaf rust involved in the 1938 epiphytotic. *Phytopathology* 29: 962-967. Nov. 1939.  
DINES, F. T. Oklahoma's broad wheat improvement program. *Southwest. Miller* 18: 19. Nov. 14, 1939.

Oregon

- DOUGHERTY, R. W. Induced bloat in dairy cows. (Abstract) *Jour. Amer. Vet. Med. Assoc.* 95: 482. Oct. 1939.

Pennsylvania

- MEYER, H. A. Public forest regulation in Mexico. *Jour. Forestry* 37: 856-858. Nov. 1939.  
THURSTON, H. W., Jr., and FREAR, D. E. H. The importance of standardized procedures in diluting liquid lime sulphur. *Phytopathology* 29: 993-995. Nov. 1939.

Rhode Island

- ODLAND, T. E., and COX, T. R. Potato variety and seedling trials in Rhode Island. *Amer. Potato Jour.* 16: 251-259. Oct. 1939.  
SMITH, J. B., and DESZYCK, E. J. Methods for determining magnesium and calcium in fertilizers. (Abstract) *Com. Fert.* 59: 34-35. Oct. 1939.  
STARK, F. L., Jr., SMITH, J. B., and HOWARD, F. L. Effect of chloropicrin fumigation on nitrification and ammonification in soil. *Soil Sci.* 48: 433-442. Nov. 1939.

South Carolina

- COOPER, H. P. The need of lime in adjusting southeastern agriculture. *Com. Fert.* 59: 8-10, 36. Oct. 1939.  
COOPER, H. P. Some problems in adjusting southern agriculture. *Com. Fert.* 59: 32, 34-38, 40. Nov. 1939.  
MOSER, F. The influence of cropping practices on some physical and chemical properties of soil. *Soil Sci.* 48: 421-431. Nov. 1939. (In Coop. with U. S. Dept. Agr.)  
SCOTT, L. E. Notes on some of the newer peach varieties. *Amer. Pomol. Soc. Proc.* 54(1938): 72-80. [1939]  
WILLIAMS, B. O. The impact of mechanization of agriculture on the farm population of the South. *Rural Sociol.* 4: 300-311. Sept. 1939.



ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS  
(continued)

South Dakota

MOXON, A. L., and DuBOIS, K. P.    The influence of arsenic and certain other elements on the toxicity of seleniferous grains.    Jour. Nutrition 18: 447-457.    Nov. 10, 1939.

Tennessee

MACINTIRE, W. H.    Compatibility of fused rock phosphate with superphosphates. (Abstract)    Com. Fert. 59: 28-29.    Oct. 1939.

MARCOVITCH, S., and STANLEY, W. W.    The plum curculio in Tennessee.    Amer. Pomol. Soc. Proc. 54(1938):87-89.    [1939]

MARCOVITCH, S.    Status of spray residues.    Amer. Pomol. Soc. Proc. 54(1938): 147-149.    [1939]

PEACOCK, N. D.    Outline of a horticultural teaching program.    Amer. Pomol. Soc. Proc. 54(1938): 90-93.    [1939]

Texas

KILLOUGH, D. T.    Research aids improvement of Texas cotton.    Com. Fert. 59: 29-30.    Nov. 1939.

LANGLEY, B. C., and FISHER, C. E.    Some effects of contour listing on native grass pastures.    Jour. Amer. Soc. Agron. 31: 972-981.    Nov. 1939.    (In Coop. with U. S. Dept. Agr.)

MANGELSDORF, P. C.    Rust losing battle in the South: small grants are developed which yield heavy returns in Gulf Coast area.    South. Seedsman 2: 6, 29.    Nov. 1939.

SCHMIDT, H.    Mineral deficiencies: clinical picture, treatment and prevention. (Abstract)    Jour. Amer. Vet. Med. Assoc. 95: 476-477.    Oct. 1939.

STANTON, T. R.    Purer oat seed sought in South.    South. Seedsman 2: 10.    Nov. 1939.

Utah

HARMSTON, F. C., and KNOWLTON, G. F.    New Utah Dolichopodidae (Diptera).    Ent. News 50: 256-259.    Nov. 1939.

HARMSTON, F. C., and KNOWLTON, G. F.    Three new Dolichopodidae.    Kans. Ent. Soc. Jour. 12: 83-86.    July 1939.

Virginia

BOBB, M. L.    Parasites of the oriental fruit moth in Virginia.    Jour. Econ. Ent. 32: 605-607.    Oct. 1939.

PURVIS, E. R., and HANNA, W. J.    The influence of overliming upon boron deficiency. (Abstract)    Com. Fert. 59: 38.    Oct. 1939.    (Va. Truck)

ROGERS, H. T.    The relation between soil reaction, erosion, and aggregation of silt and clay in Clarksville loam.    Jour. Amer. Soc. Agron. 31: 915-923.    Nov. 1939.

ARTICLES BY STATE AGRICULTURAL EXPERIMENT STATION WORKERS

(continued)

## Washington

HEIMAN, V., CARVER, J. S., and COOK, J. W. A method for determining the gross value of protein concentrates. Poultry Sci. 18: 464-474. Nov. 1939.

## West Virginia

BURNHAM, C. R., and CARTLEDGE, J. L. Linkage relations between smut resistance and semisterility in maize. Jour. Amer. Soc. Agron. 31: 924-933. Nov. 1939.

SHIRLEY, R. L., and VanLANDINGHAM, A. H. Determination of uric acid in the mixed excrements of birds. Indus. and Engin. Chem. (Anal. Ed.) 11: 381-383. July 15, 1939.

## Wisconsin

AHLGREN, H. L., and AAMODT, O. S. Harmful root interactions as a possible explanation for effects noted between various species of grasses and legumes. Jour. Amer. Soc. Agron. 31: 982-985. Nov. 1939.

AXELROD, A. E., and ELVEHJEM, C. A. The determination of coenzyme I in animal tissues. Jour. Biol. Chem. 131: 77-84. Nov. 1939.

AXELROD, A. E., MADDEN, R. J., and ELVEHJEM, C. A. The effect of nicotinic acid deficiency upon the coenzyme I content of animal tissues. Jour. Biol. Chem. 131: 85-93. Nov. 1939.

BERGER, K. C., and TRUOG, E. Boron deficiencies as revealed by plant and soil tests. (Abstract) Com. Fert. 59: 38. Oct. 1939.

CHRISTIANSEN, J. B., DEOBALD, H. J., HALPIN, J. B., and HART, E. B. Further studies on the nature of the effective supplements for soybean oil meal in chick rations. Poultry Sci. 18: 481-485. Nov. 1939.

JOHNSON, B. C., ELVEHJEM, C. A., PETERSON, W. H., and FAGEN, H. J. The preservation of the 'grass juice factor' in silage. Jour. Nutrition 18: 527-535. Nov. 10, 1939.

MCCARTER, J., and HASTINGS, E. G. The presence of avian tubercle bacilli in apparently pure cultures of diphtheroids. Jour. Infect. Diseases. 64: 297-301. May-June 1939.

MICKELSEN, O., WAISMAN, H. A., and ELVEHJEM, C. A. The distribution of riboflavin in meat and meat products. Jour. Nutrition 18: 517-526. Nov. 10, 1939.

WOOLLEY, D. W., McDANIEL, L. E., and PETERSON, W. H. Growth factors for bacteria. IX. Studies of a growth factor for Clostridia. Jour. Biol. Chem. 131: 381-385. Nov. 1939.

NOTES ON PERIODICALS  
New, Changed and Discontinued

- The Advancement of science. London, British association, Burlington House, W.1. quar. il. 8° v. 1, no. 1, Oct. 1939. Constitutes the reports of the British association for the advancement of science. Membership, with Report, £1.10s. a year. (See also p. 646)
- Agronomia lusitana. Estação agronómica nacional Portugal. Alcobaca, Portugal. quar. il. 8° v. 1, no. 1, 1939. Price not found. Articles in Portuguese, French, English, or German.
- Beautiful shade trees. Published by the Davey tree expert co., Kent, Ohio. quar.? il. 8° v. 1, no. 1, late winter no., 1939. No price given.
- Boletín platanero y agrícola. Mexico, D.F. Changed to Agrícola with año 2, no. 15, Nov. 1939.
- Bremen. Baumwollbörse. Wochenbericht. Ceased with no. 996, Sept. 4, 1939. Some of the same information will be published in its Tagesbericht.
- Círculo médico veterinario de la provincia de Buenos Aires. Revista... La Plata. semi-mo. il. 4° ano 1, no. 1, Apr. 1937. Price not found.
- Consumer education journal. Consumer education association, 45 Sunnyside avenue, Brooklyn, N.Y. 4° v. 1, no. 1, Oct. 1939. \$1.00 a year. Frequency not given.
- Entomological society of southern Africa. Journal. P. O. Box 103, Pretoria, Union of South Africa. il. 8° v. 1, Mar. 30, 1939. (v. 1 complete in 1 no.) Price of v. 1: £1.2.6.
- Farm chemurgic journal. Dearborn, Michigan. Ceased with v. 1, no. 3, Dec. 1938.
- Furs; merchandising, production, markets. New York. Ceased with v. 2, no. 10, Feb. 1938?
- International journal of agrarian affairs. 3 Magpie Lane, Oxford, England. semi-annual. 8° v. 1, no. 1, Oct. 1939. £1 (free to members of the International conference of agricultural economists) (See also p. 644)
- Iowa. State college of agriculture and mechanic arts. Extension service. Rural youth section. Over the state with rural youth organizations. Ames. il. 4° Jan. 1939. Processed.
- Lake district horticulturist. Duluth, Minnesota. Ceased with v. 2, no. 3, Sept. 1938. Superseded by Lake district farms and gardens, Oct. 1939.
- Modern refrigeration. Empire House, St. Martin's-le-Grand, London, E.C.1. mo. il. f° v. 42, no. 499, Oct. 1939. 15/- Formed by the combination of Ice and cold storage and Cold storage and produce review.
- N. Z. honeybee. Ceased with v. 2, no. 6, Jan. 20, 1939.
- The New Zealand smallholder. Ceased with v. 19, no. 5, Feb. 16, 1937.
- Oklahoma. Agricultural experiment station. Mimeographed circular. Stillwater, Oklahoma. 4° fold. to 8° no. 1, Oct. 1939. (no. 4, Apr. 1938) Processed.
- Pennsylvania. State college. School of agriculture and experiment station. Division of agricultural extension. Pennsylvania farm economics. il. 8° no. 3, Aug. 1939. No price given.



NOTES ON PERIODICALS

New, Changed and Discontinued  
(continued)

La Revista de medicina y ciencias afines. Editada por la Asociacion de medicina y ciencias afines, de la Administracion sanitaria y asistencia publica. Buenos Aires. (Eduardo Acevedo 750) mo. il. 4<sup>o</sup> año 1, no. 1, May 30, 1939. \$12 a year.

The Virginia breeder. Published by the Virginia Breeder, inc., Warrenton, Va. mo. il. 4<sup>o</sup> v. 1, no. 1, June 1939. 2.00 a year.

- o - o - o - o - o - o -

1939 YEARBOOK OF THE U. S. DEPARTMENT OF AGRICULTURE

The 1939 Yearbook of the U. S. Department of Agriculture, which has just appeared, bears the title "Food and Life". This volume, fourth in the new series of Yearbooks dealing with special subjects, is dedicated to the memory of Wilbur Olin Atwater, who organized the Office of Experiment Stations in the Department and was one of the pioneers in modern nutrition. It is in two parts, part 1 dealing with human nutrition and part 2 with animal nutrition, and it contains both technical and non-technical material so that it will be useful to different groups of readers. Following are extractions from the Foreword by the Secretary of Agriculture:

"Of all the sciences and arts of the greatest is the feeding of animals and human beings. Forty years ago the scientists thought the problem was simple - discover the need for protein, fats, carbohydrates, and a few minerals, analyze the foods for these substances, and then so blend the foods as to furnish an adequate supply of each. Today we know that there is much more to it than this. The old science is still fundamental but the new science is continually adding to it knowledge of a whole array of substances - minerals, vitamins, amino acids - needed by the body....

"Two-thirds of this book deals with the nutrition of animals and only one-third with that of human beings; nevertheless, even the animal section contains much information of fundamental value with regard to human nutrition. The reverse is true, too. The animal body and the human body are astonishingly alike in their reactions to the necessary substances in foods. The modern knowledge of human nutrition is based to a large extent on animal experimentation....

"The Department of Agriculture publishes the book realizing that the science of nutrition is still very incomplete and that much new, vital information is being discovered every year. But a comprehensive knowledge of nutrition is far from widespread. We feel that it is wise to publish this book, in spite of its shortcomings, because it is comprehensive. It shows that the human being and the animal have fundamentally the same needs. People as well as animals must be well fed if they are to do their best and give their best."

- o - o - o - o -

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1939\*

## Alabama

- LOWERY, J. C.    Crimson clover.    7 p. illus.    (Ala. Poly. Inst. Ext. Circ. 167.)    Auburn, 1939.
- BURNS, F. W.    Cream dairying suggestions.    7 p.    (Ala. Poly. Inst. Ext. Circ. 168.)    Auburn, 1939.
- LOWERY, J. C.    Cotton production in Alabama.    7 p. illus.    (Ala. Poly. Inst. Ext. Circ. 184.)    Auburn, 1939.
- References p. 7.
- PICKENS, NELL.    "Let's add an extra bed."    14 p. illus.    (Ala. Poly. Inst. Ext. Circ. 188.)

## California

- NEWLON, W. E. and BUSTER, M. W.    Brooding and pullet management.    23 p. illus.    (Calif. Agr. Col. Ext. Circ. 28 rev.)    Berkeley, 1939.
- TUFTS, WARREN, P.    Pruning deciduous fruit trees.    67 p. illus.    (Calif. Agr. Col. Ext. Circ. 112.)    Berkeley, 1939.
- FAUST, HILDA.    Nutrition program: Frozen desserts.    8 p. (Calif. Agr. Col. Ext. H. D. 132. 3d rev.)    Berkeley, 1939.
- FAUST, HILDA.    Nutrition program: Buffet meals.    9 p. illus. (Calif. Agr. Col. Ext. H. D. 440.)    Berkeley, 1939.
- Mimeographed.
- GARDNER, ELLA.    Games, folk dances and dramatics.    11 p.    (Calif. Agr. Col. Ext. H. D. 441.)    Berkeley, 1939.
- Mimeographed.
- Home recreation I: Games for adults and 4-H club members.    5 p. illus.    (Calif. Agr. Col. Ext. H. D. 442.)    Berkeley, 1939.
- Mimeographed.
- Home recreation II: Games for adults and 4-H club members:    8 p. illus.    (Calif. Agr. Col. Ext. H. D. 443.)    Berkeley, 1939.
- Mimeographed.
- Home recreation III: Games for younger children.    3 p. illus.    (Calif. Agr. Col. Ext. H. D. 444.)    Berkeley, 1939.
- Mimeographed.
- Home furnishing program: Repairing inner-spring cushions.    6 p. illus.    (Calif. Agr. Col. Ext. H. D. 445.)    Berkeley, 1939.
- Mimeographed.
- DODSON, ETHELWYN.    Clothing program: Phases of the clothing program.    1 p. diagr.    (Calif. Agr. Col. Ext. H. D. 446.)    Berkeley, 1939.
- Clothing program: Better buying of foundation garments.    1 p. diagr.    (Calif. Agr. Col. Ext. H. D. 439.)    Berkeley, 1938.
- Mimeographed.
- Home management program: Methods of making shelves adjustable.    2 p. diagrs.    (Calif. Agr. Col. Ext. H. D. 447.)    Berkeley, 1939.
- Mimeographed.

\*Prepared in the Office of Experiment Stations Library

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1939

## California (continued)

- Adapting drawers to household uses. 1 p. diagrs. (Calif. Agr. Col. Ext. H. D. 448.) Berkeley, 1939  
Mimeographed.
- DODSON, ETHELWYN. Clothing program: Better buying studies: Inventory and wardrobe plan. 3 p. (Calif. Agr. Col. Ext. H. D. 449.) Berkeley, 1939.

## Connecticut

- CHENEY, WINIFRED. Christmas joy. 18 p. illus. (Conn. State Col. Ext. Recreation Circ. 24.) Storrs, [n. d.]  
Mimeographed.
- GESSNER, AMY A., and VARNEY, VERNA V. Recreation for the rural home. 25 p. illus. (Conn. State Col. Ext. Recreation Circ. 31.) Storrs, [n. d.]  
Mimeographed.
- CHENEY, WINIFRED. Music appreciation supplementary folk songs. 17 p. (Conn. State Col. Ext. Recreation Circ. 33.) Storrs, [n. d.]  
Mimeographed.
- CHENEY, WINIFRED. Index to music appreciation project. 4 p. (Conn. State Col. Ext. Recreation Circ. 34.) Storrs, [n. d.]  
Mimeographed.
- Index to songs and music found in Connecticut publications.  
Supplementary music for music appreciation. 4 p. (Conn. State Col. Ext. Recreation Circ. 35.) Storrs, [n. d.]  
Mimeographed.

## Hawaii

- RIPPERTON, J. C., and others. A few legumes found on Hawaiian ranges. 11 p. illus. (Hawaii Univ. Agr. Ext. Circ. 10.) Honolulu, 1939.  
Mimeographed.
- 1940 university litter production contest. 8 p. (Hawaii Agr. Ext. Circ. 11.) Honolulu, 1939.  
Mimeographed.
- HANSON, K. I. Harvesting, grading and packing tomatoes. 6 p. illus. (Hawaii Univ. Agr. Ext. Circ. 12.) Honolulu, 1939.  
Mimeographed.

## Indiana

- SMITH, Z. M., and others. A comparative analysis of secretaries' record books submitted by Indiana rural youth clubs for 1938. 4 p. Purdue Univ. Dept. Agr. Ext. [1939]  
Mimeographed.

## Kansas

- MARTIN, W. P. Health for farm families. 52 p. illus. (Kans. State Col. Ext. Bul. 54, rev.) Manhattan, 1939.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1939

## Kansas (continued)

FERGUSON, J. M., and BARGER, E. L. Tractor overheating: Causes and remedies. 11 p. illus. (Kans. State Col. Ext. M Circ. 21.)  
Manhattan, 1939.  
Mimeographed.

## Kentucky

JACKSON, W. E. Growing black locust trees. 10 p. illus. (Ky. Agr. Col. Ext. Circ. 333.) Lexington, 1939

## Maine

REED, D. W. Tax trends in Maine towns. 12 p. diags. (Maine Agr. Col. Ext. Bul. 265.) Orono, 1939.  
GARDNER, A. K., and WYMAN, O. L. Planting an orchard. 11 p. illus. (Maine Agr. Col. Ext. Bul. 266.) Orono, 1939

## Maryland

SYMONS, T. B. Problems immediately ahead in agriculture. 20 p.  
Md. Univ. [Agr.] Ext. [1939]  
Address delivered at the annual meeting of the Maryland State grange, December 7, 1938.  
SYMONS, T. B. Your organization at the bat. 7 p. Md. Univ. [Agr.] Ext. [1939]  
Address delivered at the annual meeting of the Maryland Tobacco growers' association, Jan. 11, 1939.

## Massachusetts

Protect celery against blights. Department of Botany. 2 p. (Mass. Ext. Leaflet 12, rev.) Amherst, 1939.  
DONALDSON, RALPH W., and others. Potato growing. Growing potatoes in Massachusetts. 32 p. illus. (Mass. State Col. Ext. Leaflet 20 [rev.]) Amherst, 1939.  
FOLEY, MAY E. Feeding the pre-school child. 8 p. illus. (Mass. State Col. Ext. Leaflet 128 [rev.]) Amherst, 1939  
DONALDSON, RALPH W. Ladino clover. 4 p. illus. (Mass. State Col. Ext. Leaflet 144. [rev.]) Amherst, 1939.  
FARLEY, G. L. Massachusetts youth and 4-H clubwork. 25th annual report of the Massachusetts Extension Service. Part II 4-H clubwork. 12 p. illus. (Mass. State Col. Ext. Leaflet 168-B.) Amherst, 1939.  
25th anniversary number.  
MUNSON, WILLARD A. Family and community life in Massachusetts. 25th annual report of the Massachusetts Extension Service. Part 3: Home economics. 16 p. illus. (Mass. State Col. Ext. Leaflet 168-C.) Amherst, 1939.  
25th anniversary number.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1939

## Massachusetts (continued)

- ENSWINGER, M. E. Beef production. 56 p. illus. (Mass. State Col. Ext. Leaflet 183. Amherst, 1939.
- BISHOP, TENA. 4-H canning club requirements. 4 p. illus. (Mass. State Col. Ext. Junior Ext. Leaflet 32.) Amherst, 1939.
- LELAND, HARLEY A. Wood working for 4-H club members. 32 p. illus. (Mass. State Col. Ext. Junior Ext. Leaflet 33.) Amherst, 1939.
- DAVIS, ARNOLD M. Flower borders. 9 p. illus. (Mass. State Col. Ext. Spec. Circ. 48.) Amherst, 1939.
- Mimeographed.
- DAVIS, ARNOLD M. Notes on a window garden. 3 p. illus. (Mass. State Col. Ext. Spec. Circ. 49.) Amherst, 1939.
- Mimeographed.
- Instructions for prebaiting rats. 1 p. (Mass. State Col. Ext. Spec. Circ. 52.) Amherst, 1939.
- Mimeographed.
- LOY, LAWRENCE V. Christmas suggestions for home and community. 23 p. illus. Mass. State Col. Ext. 1938.
- Mimeographed.
- LOY, LAWRENCE V. Thanksgiving suggestions for home and community celebrations. 17 p. illus. Mass. State Col. Ext. 1938.
- Mimeographed.
- McINTIRE, RUTH. Folk dances, easy to learn, fun to do. 18 p. illus. Mass. State Col. Ext. 1938.
- Mimeographed.
- McINTIRE, RUTH. Suggestions for home and community parties, St. Patricks Day. 12 p. illus. Mass. State Col. Ext. 1939.
- Mimeographed.

## Michigan

- WELCH, CHARLES, and KETTUNEN, A. G. Michigan's deer herd, a winter deeryard study for 4-H club members. 31 p. illus. (Mich. State Col. Ext. Club Bul. 40.) East Lansing, 1939.
- POND, JULIA, and NOYES, HELEN. Convenient kitchens. 32 p. illus. (Mich. State Col. Bul. 185, rev.) East Lansing, 1939.
- Meat canning. 2 p. (Mich. State Col. Ext. Bul. 204.) East Lansing, 1939.
- Table from Farmers' Bul. 1762.
- PORTER, J. A. Soil conservation for 4-H clubs, third year and advanced projects. 36 p. illus. (Mich. State Col. Ext. Club Bul. 41.) East Lansing, 1939.

## Minnesota

- RILEY, WILLIAM A. Fleas as household pests. 8 p. (Minn. Univ. Agr. Ext. Folder 81.) University Farm, St. Paul, 1939.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1939

## Minnesota (continued)

- ZAVORAL, H. G. The f-H club pig project. Pig raising for club members. 8 p. illus. (Minn. Univ. Agr. Ext. 4-H Bul. 2, rev.) University Farm, St. Paul, 1939.
- DANKERS, W. H. Some legal requirements of cooperative organizations. 19 p. (Minn. Univ. Agr. Ext. Pamph. 61.) University Farm, St. Paul, [1939]  
Mimeographed.
- GARVER, W. B. Regional variations in the hog cycle. (Minn. Univ. Agr. Ext. Farm Business Notes 202, p. 1-2, diagr. Oct. 1939.) University Farm, St. Paul.

## Missouri

- Missouri 4-H club songs. 19 p. illus. (Mo. Agr. Col. Ext. 4-H club Circ. 59.) Columbia, 1938.
- CARL, FLORA, and others. Food and nutrition: Food preservation III. 23 p. illus. (Mo. Agr. Col. Ext. 4-H Club Circ. 60.) Columbia, 1939.
- CHURCH, HELEN L. Posture (A 4-H club activity.) 20 p. illus. (Mo. Agr. Col. Ext. 4-H Club Circ. 64.) Columbia, 1939.  
References, p. 20.

## New Hampshire

- ELLIS, ELIZABETH E. Tomato recipes; supplement to "Tomatoes for good health." 2 p. (N. H. Univ. [Agr.] Ext. Press Bul. 188.) Durham, 1939.
- Horseshoe tournament 1939, local, county, state. 11 p. illus. (N. H. R. B. S. Bul. 77.) Durham, 1939.  
Mimeographed.  
References p. 11.
- 4-H song supplement - 1939 (prepared in cooperation with 4-H Department. 8 p. (N. H. R. B. S. 78.) Durham, 1939.
- April Fool party. 3 p. (N. H. R. B. S. 79.) Durham, 1939.  
Mimeographed.
- Games and recreation aids taught by Miss Ella Gardner. 15 p. diagr. (N. H. R. B. S. 80.) Durham, 1939.  
Mimeographed.

## New Mexico

- Historic cookery from the land of "Poco Tiempo". 18 p. illus. (N. Mex. Agr. Col. Ext. Circ. 161.) State College, 1939.
- LYCKMAN, ERNEST. Homemade games and handicraft projects. 28 p. illus. (N. Mex. Agr. Col. Ext. Circ. H 14.) State College, 1939.  
Mimeographed.
- Suggested program for three-day county camp. Theme of camp - Leadership. 8 p. illus. (N. Mex. Agr. Col. Ext. 4-H 5.) State College, 1939.  
Mimeographed.



LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1939

## Nex Mexico (continued)

HATCH, G. R., and others. 4-H nature project.. 68 p. illus. (N. Mex. Agr. Col. Ext. 4-H 7.) State College, 1939.  
Mimeographed.

## New York

WILLIAMSON, PAUL S. Costs and returns from farm enterprises from 75 cost-account farms, 1938. 32 p. illus. (N. Y. Agr. Col. (Cornell) Ext. Bul. 422.) Ithaca, 1939.

## Ohio

KENNEDY, ARTHUR C. The farm shop.. 24 p. illus. (Ohio Agr. Col. Ext. Bul. 201.) Wooster, 1939.  
SOWER, VIRGINIA J., and others. Adventures with dinners. 32 p. illus. (Ohio Agr. Col. Ext. 4-H Circ. 120.) Wooster, 1939.

## South Carolina

SCHILLETER, A. E. The farm orchard. 24 p. illus. (Clemson Agr. Col. (S. C.) Ext. Bul. 89. rev.) Clemson, 1939.

## South Dakota

COVERT, MARY A. Handmade rugs. 23 p. illus. (S. Dak. State Col. Ext. Mim. Circ. 191--HM, rev.) Brookings, 1939.  
DAVIS, L. L. Storage of fruits & vegetables for South Dakota: Home storage; refrigerated locker storage. 11 p. (S. Dak. State Col. Mimeo. Circ. 216.) Brookings, 1939.  
BALES, EARL R. Photography for extension workers. 9 p. illus. (S. Dak. State Col. Ext. Mimeo. Circ. S. D.-217 P.) Brookings, 1939.  
WALKER, ANNA D. Every girl can be well dressed. 10 p. illus. (S. Dak. State Col. Ext. Mim. Circ. S. D.-218 C. Brookings, 1939.  
NULL, GERTRUDE. Music appreciation. 4 p. (S. Dak. State Col. Ext. Mim. Circ. S. D.-221 H.) Brookings, 1939.

## Texas

The extensioner. v. 26, no. 1. Nov. 1939. Texas Agr. Col. Ext., College Station.  
Supersedes Extension Service News.  
TARRANT, LYDIA. Preparing the hot school lunch. 13 p. (Vt. Agr. Col. Ext. Brieflet 536.) Burlington, 1939.  
Mimeographed.  
TARRANT, LYDIA. Hearty soups. 3 p. (Vt. Agr. Col. Ext. Brieflet 537.) Burlington, 1939.  
Mimeographed.

- - - - -

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING NOVEMBER 1939

Texas (continued)

LUCE, MARJORIE E. Pictures for the home. 5 p. (Vt. Agr. Col. Ext. Brieflet 538.) Burlington, 1939.  
Mimeographed.  
Revision of Brieflet 259.

Washington

MILLER, R.N. Wooden hoop silos. 12 p. illus. (Wash. State Col. Ext. Bul. 251.) Pullman, 1939.

Wisconsin

MOORE, J. G. Strawberry growing in Wisconsin. 16 p. illus. (Wis. Agr. Col. Ext. Circ. 268, rev.) Madison, 1939.  
4-H potato club work. 24 p. illus. (Wis. Agr. Col. Ext. Circ. 4-H-28, rev.) Madison, 1939.  
4-H poultry club work. 16 p. illus. (Wis. Agr. Col. Ext. Circ. 4H-29.) Madison, 1939.  
Care and feed of baby chicks. Poultry Department. 8 p. illus. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.] rev.) Madison, 1939.  
Clothing, 4-H club work: Project V. 8 p. illus. (Wis. Agr. Col. Ext. Spec. Circ. [unnumb.]). Madison, 1939.  
Clothing, 4-H club work. Project VI. 8 p. illus. (Wis. Spec. Circ. [unnumb.]) Madison, 1939.  
4H pig club work. 16 p. illus. (Circ. 4-H 27, rev.) Madison, 1939.  
Plays for reading together with a list of books of interest to the amateur in the field of the theatre. Compiled by Traveling Library Department, Wisconsin Free Library Commission in cooperation with Extension Service of the College of Agriculture, the University of Wisconsin, Madison, Wisconsin. 20 p. (Wis. Spec. Circ. [unnumb.]) Madison, 1939.  
TRENK, F. B. Forest products price supplement. 2 p. diagr. (Wis. Agr. Col. Ext. Econ. Inform. for Wis. Farmers v. 10, no. 10.) Madison, 1939.  
HUMPHREY, G. C., and BOHSTEDT, G. Feeding dairy cows. 86 p. illus. (Wis. Agr. Col. Ext. Spec. Circ. 4th rev. [unnumb.]) Madison, 1939.  
VAUGHAN, R. E. Potato leaf diseases. 4 p. illus. (Wis. Agr. Col. Ext. Stencil Circ. 214.) Madison, 1939.  
Mimeographed.

Wyoming

MARSTON, BURTON W. Recreation circular no. III. Musical games and folk dances for Wyoming rural groups. 47 p. illus. Wyo. Agr. Col. Ext., 1939.  
Mimeographed.

- - - - -

SELECTED LIST OF PROCESSED PUBLICATIONS  
 of the U. S. Department of Agriculture  
 received during November 1939, exclusive of bibliographies\*  
 and current issues of serials\*\*

Agricultural Adjustment Administration

Compilation of county committee recommendations. 1940 farm program.  
 North central region. 1939. 24 p. 1.42 N75Com

Bureau of Agricultural Economics

- Agricultural outlook charts. 1940. Cotton. Oct. 1939. 21 p. 1.9 Ec70C  
 -----1940. Dairy products. Oct. 1939. 24 p. 1.9 Ec70dc  
 -----1940. Fruits and nuts. Oct. 1939. 62 p. 1.9 Ec70fr  
 -----1940. Potatoes and truck crops. Oct. 1939. 36 p. 1.9 Ec70poc  
 -----1940. Rice, dry beans, and broomcorn. Oct. 1939. 13 p. 1.9 Ec70ri  
 -----1940. Tobacco. Oct. 1939. 22 p. 1.9 Ec70to  
 -----1940. Wheat and rye. Oct. 1939. 29 p. 1.9 Ec70wc  
 Corn: the World war and the 1939 European war. 1939. 11 p. 1.941 H2C81  
 Food, feed, and southern farms. A study of production in relation to farm  
 needs in the south. By Oscar Steanson and E. L. Langsford. 1939. 25 p.  
 (Farm management reports no. 1) 1.941 L6T22  
 Special edition 1940 farm outlook of the International livestock exposi-  
 tion. 1939. 12 p. 1.9 Ec70sp  
 Tobacco: the world war and the 1939 European war. 1939. 17 p. 1.941  
 H2T55  
 The wheat situation in 1939 compared with 1914. 1939. 1.941 S2W56

Agricultural Marketing Service

- Annual report on tobacco statistics, 1939. 1939. 117 p.  
 Fourth of a series... first three are U. S. Dept. of agriculture,  
 Statistical bulletins 58, 63, and 67. 1.942 T22An7  
 Disposition of potatoes, Crop years 1909-1937. By states. 1939. 67 p.  
 1.942 V4P84

---

\* Bibliographies included in general list of bibliographies on p. 611.  
 \*\*For a list of the principal series issued regularly, see Agricultural  
 Library Notes, v. 9, no. 10, p. 354.



-----  
SELECTED LIST OF PROCESSED PUBLICATIONS

Agricultural Marketing Service (continued)

Grain stocks on farms October 1, 1926-1937. By states. Oct. 1939. 6 p.  
1.942 G22G76

Meat cutting and pricing methods. By Arthur T. Edinger. Feb.  
1935; reissued Sept. 1939. 1.942 M3M46.

The possibilities and limitations of objective sampling in strengthen-  
ing agricultural statistics. By Charles F. Sarle. 1939. 14 p.  
Address, Research conference, Cowles commission for research in  
economics, Colorado Springs, Colorado, July 3-28, 1939. 1.942 A2P84

Rules and regulations governing the inspection and certification of  
beans and peas. Revised, effective Sept. 5, 1939. 1939. 14 p.  
1.942 V33B37

Tentative United States standards for grades of canned grapefruit juice.  
Effective Oct. 1, 1939. 1939. 9 p. 1.942 F32G76

Variations in the composition and grade of cottonseed produced in the  
states of Alabama, Georgia, North Carolina, and South Carolina,  
crop years of 1934-35 to 1937-38. By G. S. Meloy. 1939. 20 p.  
1.942 C32C825

Bureau of Animal Industry

Suggestions for the use of National poultry improvement plan record  
forms. Issued April 1938; revised Nov. 1939. 8 p. (A.H.D. no.  
26 (Revised) 1.9 An52Ah

Bureau of Dairy Industry

New developments in the uses of manufactured dairy products. Remarks  
by O. E. Reed at 23d annual convention of the National coopera-  
tive milk producers' federation, Chicago, Ill. Nov. 16, 1939. 12 p.  
1.973 A2R25

Bureau of Entomology and Plant Quarantine

Suggestions for the control of the tomato fruitworm. By W. H. White.  
September 1939. 4 p. (E-489) 1.9 En83

Office of Experiment Stations

Research in home economics at the land-grant institutions. 1939-1940.  
Compiled by Sybil L. Smith. 1939. 29 p. 1.9 Ex6Ho

-----  
SELECTED LIST OF PROCESSED PUBLICATIONS  
(continued)

Extension Service

- Population trends in relation to land use. By O. E. Baker. 1939.  
12 p. (Extension service circular 311) 1.9 Ex892Esc
- A study of 4-H club local leadership in St. Lawrence county, New York,  
1938. By Bert J. Rogers. 1939. 37 p. (Extension service circular 314) 1.9 Ex892Esc
- Training extension workers for the job. By M. C. Wilson. 1939. 39 p.  
(Extension service circular 315) 1.9 Ex892Esc

Farm Security Administration

- The low-cost housing program of the Farm security administration, United  
States Department of agriculture. 1939. 4 p. 1.95 L95
- The Medical care program for Farm security administration borrowers.  
Digest of a paper presented at a meeting of the American public  
health association by Dr. R. C. Williams, chief medical officer.  
Nov. 1, 1939. 16 p. 1.95 M46A

Federal Surplus Commodities Corporation

- Proposed plan for distributing surplus cotton to needy persons through  
normal wholesale and retail channels of trade. 1939. 9 p. 1.954 P94

Forest Service

- Character of the 1939 fire season in region one. By H. T. Gisborne.  
Nov. 1939. 3 p. (Applied forestry notes no. 93) Issued by Northern  
Rocky mountain Forest and range experiment station, Missoula, Montana.  
1.9 F7628A
- Foreign woods: The Lauans. By W. D. Brush. Oct. 1939. 11 p.  
1.9 F76Two
- Forest fire statistics. Calendar year 1938. Prepared by Division of  
state cooperation. 1939. 35 p. (T-38) 1.9 F7681T
- The measurement of forest fire danger in the eastern United States and  
its application in fire control. A progress report, by George M.  
Jemison. Oct. 1, 1939. 43 p. (Technical note no. 35) Issued by  
Appalachian Forest experiment station, Asheville, N. C. 1.9  
F7623T
- Natural establishment of pine in abandoned fields in the Piedmont region.  
By W. E. McQuilkin. Nov. 15, 1939. 2 p. (Technical note no. 37)  
Issued by Appalachian Forest experiment station, Asheville, N. C.  
1.9 F7623T

- - - - -

SELECTED LIST OF PROCESSED PUBLICATIONS

Forest Service (continued)

A preliminary study of root diseases in western white pine. By John Ehrlich. 1939. 10 p. (Station paper no. 1) Issued by Northern Rocky mountain, Forest and range experiment station, Missoula, Montana. 1.9622 N3St1

A tentative fire-danger meter for the longleaf-slash pine type. By C. A. Bickford and David Bruce. Nov. 10, 1939. 5 p. (Occasional paper no. 87) Issued by Southern Forest experiment station, New orleans. 1.9 F76240

Timber cruising. By James W. Girard and Suren R. Gevorkiantz. 1939. 160 p. 1.962 F4T48

Winter sports in White mountain national forest, New Hampshire and Maine. 1939. sheet. illus., map. 28 x 48cm. fold. to 28 x 12. Text on recto, map on verso. 1.9621 R7W73

Bureau of Home Economics

How professional women spend their money. 1938. By Day Monroe and Maryland Y. Pennell. Oct. 1939. 22 p. 1.982 E2H83

Office of Land Use Coordination

Administrative necessity for land use planning. Address of M. S. Eisenhower before Experiment station subsection, Association of land-grant colleges and universities, Washington, D. C. Nov. 16, 1939. 21 p. 1.915 A2Ei8

Bureau of Plant Industry

List of Soil surveys of Colorado. 1939. 3 p.; List of Soil surveys of Kansas. 1939. 3 p.; List of Soil surveys of Oregon. 1939. 3 p.; List of Soil surveys of Texas. 1939. 5 p. 1.9 So32

Rural Electrification Administration

The REA-V-Discount system for electric plant-use improvement. 1939. Folder. 1.933 R88

Soil Conservation Service

Water control and soil conservation. By H. H. Bennett. 1939. 14 p. Address at dedication of Hydrologic research project Coshocton, Ohio, Nov. 2, 1939. 1.96 Ad62



- - - - -

"INTERNATIONAL JOURNAL OF AGRARIAN AFFAIRS"

The following account of the new journal with the title given above is taken from the Foreword by L. K. Elmhirst, President of the International Conference of Agricultural Economists, in the first issue, for October 1939:

"As President of the International Conference of Agricultural Economists, I have a very special interest in welcoming the advent of the International Journal of Agrarian Affairs. Ten years ago the first International Conference was held, and at the four succeeding meetings a steadily increasing number of agricultural economists from a wide range of countries have seized the opportunity which the Conference provides of meeting their colleagues from other lands and discussing their common problems. For those who have been unable to attend all the Conferences, the volumes of Proceedings published after each have laid a solid foundation for common thinking.

"So many and great are the implications of agricultural economics which require discussion on an international scale that even a week's gathering every two years has been all too limited for a proper interchange of thought and experience. At the meeting in Canada last year the period between Conferences was extended from two to three years, so that it now becomes all the more necessary to carry on some continuous interchange of ideas during the long interval.

"The International Journal of Agrarian Affairs represents a bold attempt to meet this need. It does not and cannot claim in any way to be an official organ of the International Conference. The Council of the Conference has approved the idea of a Journal but, as the Conference is not yet in a financial position to undertake such a project, felt that its publication must await the finding of finance from outside. Funds have now been raised from private sources, and this Journal therefore represents an experiment upon the success of which the Conference and its Council can express an opinion during the meeting in Hungary in 1941. It has been designed as a medium of expression for members of the Conference in all parts of the world, and it will be circulated to all members without further charge.

"In yet another respect the Journal may prove to be a useful experiment for the International Conference. Recent Conferences have established a type of programme which concentrates a major part of the time on the discussion of basic economic and social problems which, as the editor says in his preface, are international in the sense that they are evident in one form or another in all countries. Thus, the Fifth Conference at Macdonald College, Quebec, discussed in this way:

"The Social Implications of Economic Progress in Present-day Agriculture.

"Land Tenure and the Social Control of the Use of Land.

"Farm Labour and Social Standards.

"International Trade in relation to Agricultural Development.

"The plan of the Journal is to extend facilities for the discussion of this type of subject. The topic raised in this first number is of

- - - - -

"INTERNATIONAL JOURNAL OF AGRARIAN AFFAIRS"

(continued)

almost universal interest, and speaker after speaker in Canada referred to it. This issue therefore makes possible the continuation of discussion opened up at earlier Conferences and anticipates further discussion at subsequent Conferences. In succeeding issues the subject-matter of the Journal will be closely bound up with lines of thought which have become characteristic of the International Conference.

"The close association of the Conference with the Journal is made possible because the financial and editorial work of the Journal is jointly in the hands of Mr. J. R. Currie, Honorary Secretary of the Conference, and of Mr. J. P. Maxton, who has edited the last three volumes of the Conference Proceedings."

The following extract is taken from the note by the Editor:

"An explanation by the editor of the form and purpose of the International Journal of Agrarian Affairs is called for in this, the first, number. The publication is called a Journal for convenience because it will be published as a periodical twice a year. It might, however, be as aptly described as a series of studies, because the intention is that each number of the Journal will deal as a rule with one general economic or social problem of agriculture.

"First a word about the kind of topics which will be the subject-matter of the Journal. Many of the problems of the economic and social conditions of agriculture are common to all countries. They may be present in greater or less degree in some types of countries than in others, and everywhere the forms and manifestations may vary, but the problems are international in the sense that they are fundamental issues in the agricultural economy of all countries.

"These are the problems which will be the subject-matter of this Journal. The aim is to emphasize the universal concern with the solution of similar, and sometimes identical, problems. Ultimately, it is on the international understanding of these basic problems that the firmness and security of international relations will depend...

"While the contributions will necessarily include useful and important facts and figures pertaining to the various problems, the Journal is designed as a forum for international discussion and not as a statistical year-book or encyclopaedia of agricultural information. International publications of the latter kind are already available, published by institutions infinitely better equipped for the purpose. As an essential complement to the facts and figures there is need for international discussion of fundamental problems, and it is this need which the International Journal of Agrarian Affairs hopes to satisfy in some measure..."

-0-0-0-0-0-0-0-0-0-0-0-0-



- - - - -

"THE ADVANCEMENT OF SCIENCE"

A new quarterly publication of the  
British Association for the Advancement of Science

The following interesting description of this new periodical is taken from the Introduction to the first issue, October 1939:

"The British Association was born of the period of reconstruction which followed the Napoleonic wars; it has been in a sense reborn of the period since the war of 1914-18. In 1919 there were those who viewed its future with some misgiving, fearing that its mechanism was outworn, and that its methods would prove to be unsuited to the advancement of science in (what was called) a changing world. But both mechanism and methods proved themselves adaptable to new demands, and it is certain that the Association has been during the past twenty years more steadily active in the successful prosecution of its objects than at any earlier time since the first few years of its establishment. This is not the place to offer chapter and verse for such an assertion; but it is made with confidence. And with a like confidence, another post-war period of rebirth is to be anticipated.

"The meeting of the Association at Cambridge last year was fruitful in plans for the expansion of the Association's interests. At that meeting there was founded the Division for the Social and International Relations of Science, the activities of which, during the first year of its existence, are summarised in a short report included in these pages. At Cambridge also there was happily established a new and stronger liaison between the British and American Associations for the Advancement of Science, which resulted inter alia in the foundation of an annual lecture to be given in alternate years by an American speaker at a meeting of the British Association, and by a British speaker at a meeting of the American Association...

"Another of the important new measures decided upon at Cambridge was the publication of the annual report of the Association in quarterly parts, under the title "The Advancement of Science," of which this is the first issue. It takes the place of the annual volumes which have been published by the Association without intermission from 1831 to 1938. It might have been imagined that such a series of volumes, if only for the sake of their not unimposing appearance upon the bookshelf, would not have been readily condemned to extinction. But for many years there has been a growing tendency to regard them as an incubus in the library, and as a place of premature burial for scientific communications unworthy of such a fate. Time and again it has been found that an inquirer into some special branch of science, desiring to possess a report or discussion thereon running to a few pages, was not unreasonably aggrieved when compelled to acquire a book of several hundred pages in which that particular matter happened to be interned. Quarterly publication should at least in a measure abolish that difficulty.

"The Advancement of Science" is intended in the future to make a wider appeal to lay readers of scientific matter than an annual volume could possibly make. But here the circumstances in which our first number appears compel the entry of a caveat. There is material in hand,



- - - - -

"THE ADVANCEMENT OF SCIENCE"

(continued)

from the Dundee Meeting of the Association, and from the activities of the Division for the Social and International Relations of Science during the past year, to provide for the issue of three or four parts in something approaching the form (though perhaps not in the bulk) that was intended. It may under certain conditions become necessary to defer subsequent issues due within the present year; as to the future, it can only be said that at the moment of writing, preparations for the intended meeting of the Association next year in Newcastle-upon-Tyne are in abeyance.

"Apart, however, from the reporting of the annual meeting, quarterly publication has been adopted with the intention of combating the belief, hitherto widely prevalent through the lack of an effective channel of communication, that the Association, after any one such meeting, lapses into a coma until it is time to awaken itself for the next. In normal circumstances, that is far from the truth - farther than ever during the past year, when the new Division, having been empowered to hold meetings of its own 'at times and in places other than those of the annual meetings of the Association,' has done so in Reading, in London, and in Manchester.

"To what extent these and other activities may in the future be temporarily curtailed obviously cannot be forecast. At the moment routine business is in progress, some of it at the office in Burlington House, some at Down House in Kent. In case this should meet the eyes of persons unfamiliar with the story of Down House, it may be mentioned that it was the home of Charles Darwin, became the property of the Association by the gift of Sir Buckston Browne, and is maintained by us as a national memorial, freely open to the public in normal times. On August 24 last the word was given to close it and to take other precautions previously arranged; the objects of historical value, Darwin's and others, were placed (it is hoped) in safety, and these lines are written in what was once Darwin's dining-room, now dismantled and in use as an office. Other rooms in the house are equipped as the first-aid post for the village of Downe, and as a hospital supply depot, so that the Association and the public owe a further debt of gratitude to Sir Buckston Browne for his gift, for reasons far other than those for which that gift was originally made."

-O-O-O-O-O-O-O-O-O-O-O-O-O-



119  
2614a  
Cap. 4

# AGRICULTURAL LIBRARY NOTES

Volume 14

Index

January-December 1939

- Accessions of U. S. Department of Agriculture Library, 1, 53, 113, 177, 237, 295, 361, 437, 495, 541, 601(Nov.), 601(Dec.)
- "The Advancement of Science", New quarterly publication of the British Association of Science, 646 (Dec.)
- Advisory committee on education, Land grant colleges: Staff study note no. 10, 512.
- Agrarian affairs, International journal of, 644 (Dec.)
- Agricultural librarians, International committee of, 47, 174
- Agricultural libraries, International directory of, 446
- Agricultural libraries section, American library association.
- Annual meeting, 1939, 432
- Program, 1939, 142
- Proposed reorganization of, 235
- Agricultural research in Great Britain, Report on, 52
- American library association. Agricultural libraries section. See Agricultural libraries section, American library association
- Le Bibliofilm de la Commission internationale des agriculteurs, 359
- Bibliographic index, 249
- Bibliographical prize, Jose Toribio Medina, 435
- Bibliographies and lists, 17, 63, 131, 195, 248, 307, 368, 445, 524, 551, 613 (Nov.), 611 (Dec.)
- British association for the advancement of science, New quarterly publication of, 646 (Dec.)
- Canadian entomologist - Commemorative number, 174
- Chemists, Literature service for, 644 (Nov.)
- Commission internationale des industries agricoles, Le Bibliofilm de la, 359
- Congresses, 154, 231, 252, 416, 446, 504
- Dairy industry, Imperial bureau of, 175
- Directory, International, of agricultural libraries, 446
- Edwards, Everett E. Sketch of the Philadelphia society for promoting agriculture. Memoirs 6. A review, 536
- Evaluation of technical periodicals, 170
- Exchanges, 646 (Nov.)
- Extension of library facilities in rural areas, 265
- Experiment station record, Fifty years of, 534
- Forestry abstracts, 431
- Frauendorfer, Sigmund von. Activities of the international committee of agricultural librarians, 47, 174
- Great Britain, Report on agricultural research in, 52
- Hooker scientific library, 110
- Imperial bureau of dairy industry, 175
- International committee of agricultural librarians.
- Activities of, 47, 174
- List of members of, 50
- International directory of agricultural libraries, 446
- "International journal of agrarian affairs", 644 (Dec.)
- Iowa state college press, 293
- Jose Toribio Medina bibliographical prize, 435



## Index

- Journal of the Ministry of agriculture, London, 290  
Journals or micro-films? 291  
Land management activities, Map of major, 553  
Land plays new role in fiction. By Caroline B. Sherman, 597  
Library facilities in rural areas, Extension of, 265  
Literature service for chemists, 644 (Nov.)  
Map of major land management activities, 553  
Massachusetts horticultural society library, 232  
Micro-films, Journals or? 291  
Mimeographed publications of the U. S. Department of agriculture, Selected list of. See Processed publications, etc. (Title of list changed in April 1939)  
Ministry of agriculture, London, Journal of, 290  
Miscellany, 265  
North Carolina state college, Translation service at, 156  
Notes on periodicals, see Periodicals, Notes on  
Oberly memorial fund committee report, 1938-1939, 382  
Oberly memorial prize, 36  
Periodicals, technical, Evaluation of, 170  
Periodicals, Notes on, 37, 104, 155, 226, 264, 308, 415, 486, 513, 552, 645 (Nov.), 631 (Dec.)  
Philadelphia society for promoting agriculture, Sketch of. Memoirs 6.  
A review by Everett E. Edwards, 536  
Processed publications of the U. S. Department of agriculture, Selected list of, 43, 105, 166, 227, 295, 355, 424, 487, 531, 592, 647 (Nov.), 640 (Dec.)  
Publications by U. S. Department of agriculture workers appearing outside the Department, See U. S. Department of agriculture, Publications by workers of,  
Rural areas, Extension of library facilities in, 265  
Sherman, Caroline B. Land plays new role in fiction, 597  
Smith-Lever act - 25th birthday, 265  
State agricultural experiment station workers, Articles by, 27, 77, 143, 207, 266, 321, 383, 461, 515, 563, 623 (Nov.), 621 (Dec.)  
Technical periodicals, Evaluation of, 170  
Translation service at the North Carolina state college, 156  
Translations, Index of, U. S. Department of agriculture library, 423  
Translations received in the library, 26, 64, 165, 196, 250, 347, 459, 504, 582, 612 (Nov.), 619 (Dec.)  
Wilson, Dr. Louis R., Extension of library facilities in rural areas, Address, 265  
U. S. Department of agriculture, Principal library accessions, 1, 53, 113, 177, 237, 295, 361, 437, 495, 541, 601 (Nov.), 601 (Dec.)  
U. S. Department of agriculture, Publications by workers of, appearing outside the Department, 19, 65, 133, 197, 253, 309, 369, 447, 505, 554, 614 (Nov.), 612 (Dec.)  
U. S. Department of agriculture, Selected list of processed publications of, 43, 105, 166, 227, 285, 355, 424, 487, 531, 592, 647, (Nov.), 640 (Dec.)  
U. S. Department of agriculture, Yearbook, 1939, 632 (Dec.)

---

Note: By mistake, the pagination of the November issue was repeated in the December issue. Therefore, when reference is made to these issues in the Index, the abbreviation (Nov.) will appear after the November reference and the abbreviation (Dec.) after the December reference.















